COMMERCIAL TRUCK AND BUS

# RADIAL TIRE DATA BOOK

apollo TIRES


apollo
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TIRES
7-YEAR
WARRANTY
PERFORMANCE
GUARANTEE
ROAD
HAZARD
WARRANTY



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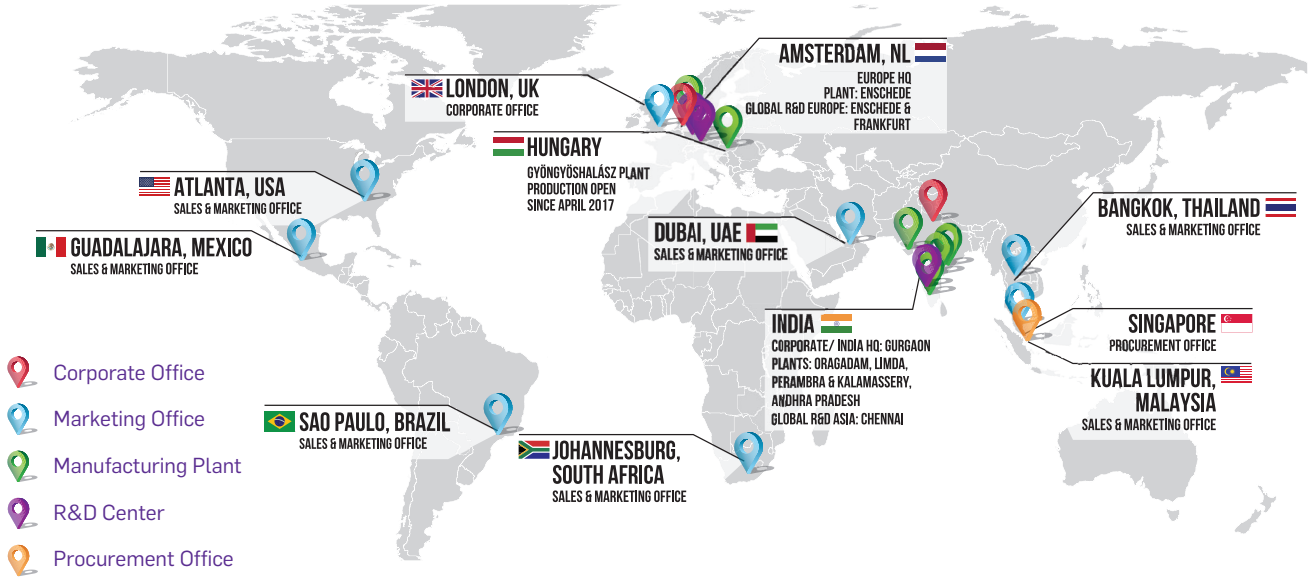
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# **APOLLO** *AT A GLANCE*

## *A NEW WORLD. A NEW GLOBAL BRAND.*

Apollo Tyres Ltd is a global tire manufacturer, with manufacturing facilities in India, the Netherlands and Hungary. The company markets products under its two global brands - Apollo and Vredestein. While Apollo is a leading brand in India and other parts of the world. Vredestein is a premium brand in Europe and America. The company's products are available in over 100 countries. We are 41 years young, ambitious and we love challenges, be it from today's demanding auto OE's, our global competitors, or from equally uncompromising consumer, commercial or agricultural customers. Because every little thing we do works to ensure that you operate your car, truck, or piece of equipment safely every day.










## *TECHNOLOGY DRIVES QUALITY*

We're always building a better tire for you. Tire engineers at our R&D Centers in Europe and India work with the latest advancements in tire technology. All raw materials used to manufacture the various components of an Apollo Commercial Radial Truck & Bus Tire are sourced from some of the world's most reputable suppliers. Once produced, every Apollo tire undergoes rigorous testing at our global, state-of-the-art facilities, involving stringent quality checks, before it is finally released for sale.

USA
**DOT**
DEPARTMENT
OF TRANSPORT DOT
REGISTRATION

# OUR SEGMENT

## WHAT IS A PRODUCT SEGMENT?

A segment defines our product offering for customers with application specific requirements.
Each product is a blend of both operating conditions and tire performance characteristics.

All Apollo commercial truck and bus radial tire names start with Endu®. This reflects both the endurance and durability of our premium long-wearing tires. Apollo has defined six segments for addressing our customer's application specific requirements.

Apollo has defined six segments for addressing specific customer requirements.

**R** = Regional
**M** = Mixed Service
**LH** = Longhaul
**U** = Urban
**C** = Coach
**S** = Specialty

We develop different patterns to address all axle positions:

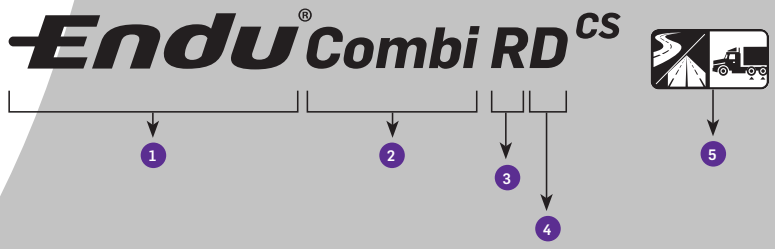
**A** = All Position
**S** = Steer
**D** = Drive
**T** = Trailer / FRT

## COMPARISON CHART

| | LONGHAUL | | | REGI | |
|---|---|---|---|---|---|
| |  |  |  |  |  |
| | Steer | Drive | Trailer | All Position | |
| apollo TIRES | Endu®Mile LHfront | Endu®Mile LHD | Endu®Mile LHT | Endu®Combi RA | Endu®Combi RD$^{CS}$ |
| **Michelin** | X line Energy Z | X line Energy D | X Line Energy T | XZE2 | X Multi Energy D |
| **Bridgestone** | R213 Ecopia | M713 | R123 Ecopia | R268 Ecopia | M760 |
| **Goodyear** | Endurance LHS | Fuel Max LHD2 | Fuel Max LHT | Endurance LHS | Marathon RSD |
| **Continental** | Conti EcoPlus HS3+ | HDL2 DL Eco Plus | Conti Eco Plus HT3 | Conti HSL 3 | HDL3 LTL |
| **Yokohama** | 101zl Spec 2 | 709zl | BluEarth 109L | R108R | TY517MC2 |
| **Hankook** | AH37 | DL11 | TL21 | AH37 | DL15 |
| **Toyo** | M177 | M677 | M157 | M171 | M671A |
| **Firestone** | FS507 Plus | FD664 | FT455 Plus | FS401 | FD664 |
| **Falken** | RI130 Ecorun | BI830 | RI130 | RI150 | BI837 |

## ILLUSTRATION

1. Product category.
2. Operating segment.
3. Application.
4. Axle position/pattern design.
5. Position/Segment pictogram.




| ONAL | | MIXED | | |
|---|---|---|---|---|
|  |  |  |  |  |
| Drive | Drive | All Position | All Position | Drive |
| Endu®Combi RD$^{OS}$ | Endu®Combi RT | Endu®Trax MA | Endu®Trax MA$_{HD}$ | Endu®Trax MD |
| X Multi D | XTE | X Works , XZY3 | XZY3 | XDY3 |
| M770 | R196a | M853 | M864, M853 | L320 |
| Fuel Max RTD | G619RST | G751 MSA | G731 MSA | G177 MSD |
| HDR2 Eco Plus | Conti Hybrid HT3 | HTC1 | HSC3 | HDR2+ |
| SY767 | RY103 | M507, M507C | M507 | M504C |
| DL12 | TH22 | AM15+ | DM09 | AL21 |
| M920A | M122 | M153, M325 | M325 | M610 |
| FD692 | FT455 Plus | FS821 | FS818 | G282 MSD |
| SI1011 | RI119 Ecorun | GI388 | GI378 | BI850 |

| | LONGHAUL | | REGIONAL | | MIXED SERVICE | |
|---|---|---|---|---|---|---|
| STEER + ALL POSITION | 22.5" | 295/75R22.5 14/G EnduMile LHfront<br>295/75R22.5 16/H EnduMile LHfront<br>11R22.5 14/G EnduMile LHfront<br>11R22.5 16/H EnduMile LHfront | 22.5" | 295/75R22.5 14/G EnduCombi RA<br>295/75R22.5 16/H EnduCombi RA<br>11R22.5 14/G EnduCombi RA<br>11R22.5 16/H EnduCombi RA<br>255/70R22.5 16/H EnduCombi RA<br>275/70R22.5 18/J EnduCombi RA | 22.5" | 11R22.5 16/H EnduTrax MA<br>12R22.5 16/H EnduTrax MA<br>315/80R22.5 20/L EnduTrax MA<br>385/65R22.5 22/M EnduTrax MA HD |
| | 24.5" | 11R24.5 14/G EnduMile LHfront<br>11R24.5 16/H EnduMile Lhfront | 24.5" | 11R24.5 14/G EnduCombi RA<br>11R24.5 16/H EnduCombi RA | 24.5" | 11R24.5 16/H EnduTrax MA |
| DRIVE | 22.5" | 295/75R22.5 14/G EnduMIle LHD<br>295/75R22.5 16/H EnduMile LHD<br>11R22.5 14/G EnduMile LHD<br>11R22.5 16/H EnduMile LHD | 22.5" | 295/75R22.5 14/G EnduCombi RDCS<br>295/75R22.5 16/H EnduCombi RDCS<br>11R22.5 14/G EnduCombi RDCS<br>11R22.5 16/H EnduCombi RDCS<br>295/75R22.5 14/G EnduCombi RDOS<br>295/75R22.5 16/H EnduCombi RDOS<br>11R22.5 14/G EnduCombi RDOS<br>11R22.5 16/H EnduCombi RDOS | 22.5" | 12R22.5 16/H EnduTrax MD<br>315/80R22.5 20/L EnduTrax MD<br>11R22.5 16/H EnduTuff SOD |
| | 24.5" | 11R24.5 14/G EnduMile LHD<br>11R24.5 16/H EnduMile LHD | 24.5" | 11R24.5 14/G EnduCombi RDCS<br>11R24.5 16/H EnduCombi RDCS<br>11R24.5 14/G EnduCombi RDOS<br>11R24.5 16/H EnduCombi RDOS | | |
| TRAILER | 22.5" | 295/75R22.5 14/G EnduMile LHT<br>295/75R22.5 16/H EnduMile LHT<br>11R22.5 14/G EnduMile LHT<br>11R22.5 16/H EnduMile LHT | 17.5" | 215/75R17.5 16/H EnduCombi RT<br>235/75R17.5 18/J EnduCombi RT<br>245/70R17.5 18/J EnduCombi RT | | |
| | 24.5" | 11R24.5 14/G EnduMile LHT<br>11R24.5 16/H EnduMile LHT | 22.5" | 295/75R22.5 14/G EnduCombi RT<br>295/75R22.5 16/H EnduCombi RT<br>11R22.5 14/G EnduCombi RT<br>11R22.5 16/H EnduCombi RT | | |




** Coming soon*


ENDURANCE AND
DURA
BILITY
NOW IN THE USA
apollo
TIRES
apollo
TIRES




# LONGHAUL
## STEER

A longhaul steer tire capable of delivering high mileage and multiple retreads.

**Endu® Mile LHfront**

SmartWay

M + S
LONG HAUL



| PRODUCT CODE | SIZE | LI/SS | PLY RATING/ LOAD RANGE | SECTION WIDTH (INCH) | OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | STATIC LOADED RADIUS (INCH) | RECOMMENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | ROLLING CIRCUMFERENCE (INCH) | REVS / MILE | LOAD DETAILS (LBS) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | SINGLE | DUAL |
| 2023101 | 295/75R22.5 | 144/141/L | 14/G | 11.5 | 40.0 | 116 | 18 | 18.7 | 9.00 | 8.25 | 121.8 | 513 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 2023100 | 295/75R22.5 | 149/146/L | 16/H | 11.5 | 40.0 | 116 | 18 | 18.7 | 9.00 | 8.25 | 121.8 | 513 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| *2023103 | 11R22.5 | 144/142/L | 14/G | 11.1 | 41.3 | 119 | 19 | 20.2 | 8.25 | 7.50 | 126.6 | 500 | 6175 lbs @ 105 PSI | 5840 lbs @ 105 PSI |
| 2023102 | 11R22.5 | 146/143/L | 16/H | 11.1 | 41.3 | 119 | 19 | 20.2 | 8.25 | 7.50 | 126.6 | 500 | 6610 lbs @ 120 PSI | 6005 lbs @ 120 PSI |
| *2023105 | 11R24.5 | 146/143/L | 14/G | 11.0 | 43.3 | 128 | 19 | 20.2 | 8.25 | 7.50 | 132.9 | 477 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 2023104 | 11R24.5 | 149/146/L | 16/H | 11.0 | 43.3 | 128 | 19 | 20.2 | 8.25 | 7.50 | 132.9 | 477 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |

*Coming soon

# LONGHAUL DRIVE

A longhaul drive tire that delivers excellent mileage and enhanced fuel efficiency.

## Endu® Mile LHD

SmartWay

M + S LONG HAUL



| PRODUCT CODE | SIZE | LI/ SS | PLY RATING/ LOAD RANGE | SEC-TION WIDTH (INCH) | OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | STATIC LOADED RADIUS (INCH) | RECOM-MENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | ROLLING CIRCUM-FERENCE (INCH) | REVS / MILE | LOAD DETAILS (LBS) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | SINGLE | DUAL |
| 2023301 | 295/75R22.5 | 144/141/L | 14/G | 11.4 | 40.3 | 127 | 23 | 18.7 | 9.00 | 8.25 | 121.8 | 509 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 2023300 | 295/75R22.5 | 149/146/L | 16/H | 11.4 | 40.3 | 127 | 23 | 18.7 | 9.00 | 8.25 | 121.8 | 509 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| *2023303 | 11R22.5 | 144/142/L | 14/G | 11.1 | 41.4 | 130 | 23 | 20.2 | 8.25 | 7.50 | 127.0 | 499 | 6175 lbs @ 105 PSI | 5840 lbs @ 105 PSI |
| 2023302 | 11R22.5 | 146/144/L | 16/H | 11.1 | 41.4 | 130 | 23 | 20.2 | 8.25 | 7.50 | 127.0 | 499 | 6610 lbs @ 120 PSI | 6005 lbs @ 120 PSI |
| *2023305 | 11R24.5 | 146/143/L | 14/G | 11.1 | 43.7 | 139 | 23 | 20.2 | 8.25 | 7.50 | 133.4 | 475 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 2023304 | 11R24.5 | 149/146/L | 16/H | 11.1 | 43.7 | 139 | 23 | 20.2 | 8.25 | 7.50 | 133.4 | 475 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |

# LONGHAUL TRAILER

A high mileage longhaul trailer tire

## Endu® Mile LHT

SmartWay

M + S LONG HAUL



| PRODUCT CODE | SIZE | LI/ SS | PLY RATING/ LOAD RANGE | SEC-TION WIDTH (INCH) | OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | STATIC LOADED RADIUS (INCH) | RECOM-MENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | ROLLING CIRCUM-FERENCE (INCH) | REVS / MILE | LOAD DETAILS (LBS) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | SINGLE | DUAL |
| 2023605 | 295/75R22.5 | 144/141/L | 14/G | 11.3 | 39.8 | 103 | 12 | 18.7 | 9.00 | 8.25 | 121.8 | 518 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 2023604 | 295/75R22.5 | 149/146/L | 16/H | 11.3 | 39.8 | 103 | 12 | 18.7 | 9.00 | 8.25 | 121.8 | 518 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| *2023607 | 11R22.5 | 144/142/L | 14/G | 10.9 | 41.0 | 110 | 12 | 20.2 | 8.25 | 7.50 | 125.6 | 504 | 6175 lbs @ 105 PSI | 5840 lbs @ 105 PSI |
| 2023606 | 11R22.5 | 146/143/L | 16/H | 10.9 | 41.0 | 110 | 12 | 20.2 | 8.25 | 7.50 | 125.6 | 504 | 6610 lbs @ 120 PSI | 6005 lbs @ 120 PSI |
| *2023609 | 11R24.5 | 146/143/L | 14/G | 11.0 | 42.8 | 119 | 13 | 20.2 | 8.25 | 7.50 | 131.7 | 481 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 2023608 | 11R24.5 | 149/146/L | 16/H | 11.0 | 42.8 | 119 | 13 | 20.2 | 8.25 | 7.50 | 131.7 | 481 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |




# REGIONAL
## *ALL POSITION*

The Endu®Combi RA regional all position tire offers exceptional performance & casing durability.

**Endu® Combi RA**

SmartWay

M + S

REGIONAL

SUPER REGIONAL




| PRODUCT CODE | SIZE | LI/ SS | PLY RATING/ LOAD RANGE | SEC-TION WIDTH (INCH) | OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | STATIC LOADED RADIUS (INCH) | RECOM-MENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | ROLLING CIRCUM-FERENCE (INCH) | REVS / MILE | LOAD DETAILS (LBS) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | SINGLE | DUAL |
| 2021110 | 295/75R22.5 | 144/141/L | 14/G | 11.5 | 40.2 | 127 | 20 | 18.7 | 9.00 | 8.25 | 121.8 | 512 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 2021109 | 295/75R22.5 | 149/146/L | 16/H | 11.5 | 40.2 | 127 | 20 | 18.7 | 9.00 | 8.25 | 121.8 | 512 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| 2021106 | 11R22.5 | 144/142/L | 14/G | 11.1 | 41.2 | 129 | 20 | 19.3 | 8.25 | 7.50 | 126.1 | 499 | 6175 lbs @ 105 psi | 5840 lbs @ 105 psi |
| 2021105 | 11R22.5 | 146/143/L | 16/H | 11.1 | 41.2 | 129 | 20 | 19.3 | 8.25 | 8.25 | 126.1 | 499 | 6610 lbs @ 120 psi | 6005 lbs @ 120 psi |
| 2021107 | 255/70R22.5 | 140/137/M | 16/H | 9.9 | 36.6 | 129 | 17 | 17.1 | 7.50 | 6.75 | 111.7 | 560 | 5510 lbs @ 120 psi | 5070 lbs @ 120 psi |
| *2021108 | 275/70R22.5 | 148/145/L | 18J | 10.8 | 37.4 | 117 | 17 | 17.5 | 8.25 | 7.50 | 114.9 | TBC | 6940 lbs @ 130 psi | 6395 lbs @ 130 psi |
| 2021111 | 11R24.5 | 146/143/L | 14/G | 11.2 | 43.3 | 141 | 21 | 20.2 | 8.25 | 7.50 | 132.6 | 475 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 2021112 | 11R24.5 | 149/146/L | 16/H | 11.2 | 43.3 | 141 | 21 | 20.2 | 8.25 | 7.50 | 132.6 | 475 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |

*Coming soon

# REGIONAL DRIVE

The Endu®Combi RD$^{CS}$ is a long-wearing closed shoulder drive tire specifically developed for regional & super regional operations in the USA.

## Endu® Combi RD$^{CS}$

SmartWay

M + S

REGIONAL

SUPER REGIONAL




| PRODUCT CODE | SIZE | LI/ SS | PLY RATING/ LOAD RANGE | SEC-TION WIDTH (INCH) | OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | STATIC LOADED RADIUS (INCH) | RECOM-MENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | ROLLING CIRCUM-FERENCE (INCH) | REVS / MILE | LOAD DETAILS (LBS) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | SINGLE | DUAL |
| 2021303 | 295/75R22.5 | 144/141/L | 14/G | 11.5 | 40.4 | 138 | 25 | 18.7 | 9.00 | 8.25 | 121.8 | 510 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 2021302 | 295/75R22.5 | 149/146/L | 16/H | 11.5 | 40.4 | 138 | 25 | 18.7 | 9.00 | 8.25 | 121.8 | 510 | 7160 lbs @ 125 psi | 6610 lbs @ 125 psi |
| 2021301 | 11R22.5 | 144/142/L | 14/G | 11.1 | 41.4 | 139 | 25 | 19.3 | 8.25 | 7.50 | 126.1 | 497 | 6175 lbs @ 105 psi | 5840 lbs @ 105 psi |
| 2021300 | 11R22.5 | 146/143/L | 16/H | 11.1 | 41.4 | 139 | 25 | 19.3 | 8.25 | 7.50 | 126.1 | 497 | 6610 lbs @ 120 psi | 6005 lbs @ 120 psi |
| 2021305 | 11R24.5 | 146/143/L | 14/G | 11.2 | 43.5 | 148 | 24 | 20.2 | 8.25 | 7.50 | 132.6 | 473 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 2021304 | 11R24.5 | 149/146/L | 16/H | 11.2 | 43.5 | 148 | 24 | 20.2 | 8.25 | 7.50 | 132.6 | 473 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |

# REGIONAL DRIVE

The Endu®Combi RD$^{OS}$ is a long-wearing regional open shoulder drive tire.

## Endu® Combi RD$^{OS}$

M + S

REGIONAL




| PRODUCT CODE | SIZE | LI/ SS | PLY RATING/ LOAD RANGE | SEC-TION WIDTH (INCH) | OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | STATIC LOADED RADIUS (INCH) | RECOM-MENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | ROLLING CIRCUM-FERENCE (INCH) | REVS / MILE | LOAD DETAILS (LBS) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | SINGLE | DUAL |
| 2021356 | 295/75R22.5 | 144/141/L | 14/G | 11.5 | 40.4 | 138 | 25 | 18.7 | 9.00 | 8.25 | 121.8 | 510 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 2021355 | 295/75R22.5 | 149/146/L | 16/H | 11.5 | 40.4 | 138 | 25 | 18.7 | 9.00 | 8.25 | 121.8 | 510 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| 2021354 | 11R22.5 | 144/142/L | 14/G | 11.1 | 41.4 | 139 | 25 | 19.3 | 8.25 | 7.50 | 126.1 | 498 | 6175 lbs @ 105 psi | 5840 lbs @ 105 psi |
| 2021353 | 11R22.5 | 146/143/L | 16/H | 11.1 | 41.4 | 139 | 25 | 19.3 | 8.25 | 7.50 | 126.1 | 498 | 6610 lbs @ 120 psi | 6005 lbs @ 120 psi |
| 2021358 | 11R24.5 | 146/143/L | 14/G | 11.2 | 43.5 | 148 | 24 | 20.2 | 8.25 | 7.50 | 132.6 | 473 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 2021357 | 11R24.5 | 149/146/L | 16/H | 11.2 | 43.5 | 148 | 24 | 20.2 | 8.25 | 7.50 | 132.6 | 473 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |

# REGIONAL
# *TRAILER*

The Endu®Combi RT is a multi life, free rolling trailer tire with high scrub resistance.

**M + S**

REGIONAL



**Endu® Combi RT**

| PRODUCT CODE | SIZE | LI/ SS | PLY RATING/ LOAD RANGE | SEC-TION WIDTH (INCH) | OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | STATIC LOADED RADIUS (INCH) | RECOM-MENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | ROLLING CIRCUM-FERENCE (INCH) | REVS / MILE | LOAD DETAILS (LBS) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | SINGLE | DUAL |
| 2021600 | 215/75R17.5 | 135/133/K | 16/H | 8.4 | 30.3 | 69 | 17 | 13.8 | 6.00 | 6.75 | 92.1 | 679 | 4805 lbs @123 psi | 4540 lbs @123 psi |
| 2023615 | 235/75R17.5 | 143/141/K | 18/J | 9.3 | 31.5 | 77 | 17 | 14.3 | 6.75 | 7.50 | 97.0 | 653 | 6005 lbs @ 125 psi | 5675 lbs @ 125 psi |
| 2023616 | 245/70R17.5 | 143/141/K | 18/J | 9.8 | 31.1 | 75 | 17 | 14.2 | 7.50 | 6.75 | 95.7 | 662 | 6005 lbs @ 125 psi | 5675 lbs @ 125 psi |
| 2021610 | 295/75R22.5 | 144/141/L | 14/G | 11.4 | 40.0 | 116 | 16 | 18.7 | 9.00 | 8.25 | 121.8 | 513 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 2021609 | 295/75R22.5 | 149/146/L | 16/H | 11.4 | 40.0 | 116 | 16 | 18.7 | 9.00 | 8.25 | 121.8 | 513 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| 2021605 | 11R22.5 | 144/142/L | 14/G | 11.1 | 40.9 | 121 | 16 | 19.3 | 8.25 | 7.50 | 126.1 | 504 | 6175 lbs @ 105 psi | 5840 lbs @ 105 psi |
| 2021604 | 11R22.5 | 146/143/L | 16/H | 11.1 | 40.9 | 121 | 16 | 19.3 | 8.25 | 7.50 | 126.1 | 504 | 6610 lbs @ 120 psi | 6005 lbs @ 120 psi |


apollo endu
apollo endu



# MIXED SERVICE

## MIXED SERVICE
## *ALL POSITION*

The Endu®Trax MA, is a robust all position mixed service tire with excellent traction.

**Endu® Trax MA**

M + S
MIXED SERVICE




| PRODUCT CODE | SIZE | LI/SS | PLY RATING/ LOAD RANGE | SECTION WIDTH (INCH) | OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | STATIC LOADED RADIUS (INCH) | RECOMMENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | ROLLING CIRCUMFERENCE (INCH) | REVS / MILE | LOAD DETAILS (LBS) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | SINGLE | DUAL |
| 2021805 | 11R22.5 | 148/145/L | 16/H | 11.0 | 41.6 | 129 | 19 | 19.3 | 8.25 | 7.50 | 129.2 | 495 | 6940 lbs @ 123 psi | 6395 lbs @ 123 psi |
| 2021802 | 12R22.5 | 152/148/L | 16/H | 11.9 | 42.8 | 143 | 22 | 19.9 | 9.00 | 8.25 | 127.9 | 482 | 7830 lbs @ 123 psi | 6940 lbs @ 123 psi |
| 2021803 | 315/80R22.5 | 161/157/K | 20/L | 12.3 | 42.6 | 153 | 21 | 19.7 | 9.00 | 9.75 | 129.2 | 486 | 10200 lbs @ 130 psi | 9090 lbs @ 130 psi |
| 2023806 | 11R24.5 | 149/146/K | 16/H | 11.0 | 43.2 | 142 | 25 | 20.2 | 8.25 | 7.50 | 132.6 | 474 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |

# MIXED SERVICE
## ALL POSITION

Specifically designed for mixed on/off road usage, the EnduTrax MA HD is a robust all-wheel and trailer tire with excellent grip and high uptime.

M + S
MIXED SERVICE




**Endu® Trax MA HD**

| PRODUCT CODE | SIZE | LI/ SS | PLY RATING/ LOAD RANGE | SEC-TION WIDTH (INCH) | OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | STATIC LOADED RADIUS (INCH) | RECOM-MENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | ROLLING CIRCUM-FERENCE (INCH) | REVS / MILE | LOAD DETAILS (LBS) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | SINGLE | DUAL |
| 2021801 | 385/65R22.5 | 164/K | 22/M | 15.1 | 42.2 | 171 | 22 | 19.7 | 11.75 | 12.25 | 128.7 | 487 | 11000 lbs @ 130 psi | (n/a) |

# MIXED SERVICE
## DRIVE

The Endu®Trax MD, specifically designed for mixed service usage is a robust drive tire with outstanding traction and high impact resistance.

M + S
MIXED SERVICE




**Endu® Trax MD**

| PRODUCT CODE | SIZE | LI/ SS | PLY RATING/ LOAD RANGE | SEC-TION WIDTH (INCH) | OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | STATIC LOADED RADIUS (INCH) | RECOM-MENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | ROLLING CIRCUM-FERENCE (INCH) | REVS / MILE | LOAD DETAILS (LBS) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | SINGLE | DUAL |
| 2023855 | 12R22.5 | 152/148/L | 16/H | 11,9 | 43,3 | 152 | 29 | 20,1 | 9,00 | 8,25 | 130,2 | 481 | 7830 lbs @ 123 psi | 6940 lbs @ 123 psi |
| 2021850 | 315/80R22.5 | 157/154/K | 20/L | 12.3 | 43.1 | 168 | 30 | 19.7 | 9.00 | 9.75 | 129.2 | 482 | 9090 lbs @ 130 psi | 8270 lbs @ 130 psi |

# TECHNICAL DATA

Guidelines according to rim size and axle position

| SIZE DESCRIPTION & MARKINGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PRODUCT CODE | TIRE SIZE | TIRE NAME | TIRE POSITION | PLY RATING/ LOAD RANGE | LI/SS | SMARTWAY | 3PMSF | SECTION WIDTH (INCH) |
| 2023101 | 295/75R22.5 | **EnduMile LHfront** | Steer | 14/G | 144/141/L | ✔ | | 11.5 |
| 2023100 | 295/75R22.5 | **EnduMile LHfront** | Steer | 16/H | 149/146/L | ✔ | | 11.5 |
| 2023103 | 11R22.5 | **EnduMile LHfront** | Steer | 14/G | 144/142/L | ✔ | | 11.1 |
| 2023102 | 11R22.5 | **EnduMile LHfront** | Steer | 16/H | 146/143/L | ✔ | | 11.1 |
| 2023105 | 11R24.5 | **EnduMile LHfront** | Steer | 14/G | 146/143/L | ✔ | | 11.0 |
| 2023104 | 11R24.5 | **EnduMile LHfront** | Steer | 16/H | 149/146/L | ✔ | | 11.0 |
| 2023301 | 295/75R22.5 | **EnduMile LHD** | Drive | 14/G | 144/141/L | ✔ | | 11.4 |
| 2023300 | 295/75R22.5 | **EnduMile LHD** | Drive | 16/H | 149/146/L | ✔ | | 11.4 |
| 2023303 | 11R22.5 | **EnduMile LHD** | Drive | 14/G | 144/142/L | ✔ | | 11.1 |
| 2023302 | 11R22.5 | **EnduMile LHD** | Drive | 16/H | 146/144/L | ✔ | | 11.1 |
| 2023305 | 11R24.5 | **EnduMile LHD** | Drive | 14/G | 146/143/L | ✔ | | 11.1 |
| 2023304 | 11R24.5 | **EnduMile LHD** | Drive | 16/H | 149/146/L | ✔ | | 11.1 |
| 2023605 | 295/75R22.5 | **EnduMile LHT** | Trailer | 14/G | 144/141/L | ✔ | | 11.3 |
| 2023604 | 295/75R22.5 | **EnduMile LHT** | Trailer | 16/H | 149/146/L | ✔ | | 11.3 |
| 2023607 | 11R22.5 | **EnduMile LHT** | Trailer | 14/G | 144/142/L | ✔ | | 10.9 |
| 2023606 | 11R22.5 | **EnduMile LHT** | Trailer | 16/H | 146/143/L | ✔ | | 10.9 |
| 2023609 | 11R24.5 | **EnduMile LHT** | Trailer | 14/G | 146/143/L | ✔ | | 11.0 |
| 2023608 | 11R24.5 | **EnduMile LHT** | Trailer | 16/H | 149/146/L | ✔ | | 11.0 |
| 2021110 | 295/75R22.5 | **EnduCombi RA** | All Position | 14/G | 144/141/L | ✔ | ✔ | 11.5 |
| 2021109 | 295/75R22.5 | **EnduCombi RA** | All Position | 16/H | 149/146/L | ✔ | ✔ | 11.5 |
| 2021106 | 11R22.5 | **EnduCombi RA** | All Position | 14/G | 144/142/L | ✔ | ✔ | 11.1 |
| 2021105 | 11R22.5 | **EnduCombi RA** | All Position | 16/H | 146/143/L | ✔ | ✔ | 11.1 |
| 2021107 | 255/70R22.5 | **EnduCombi RA** | All Position | 16/H | 140/137/M | ✔ | | 9.9 |
| *2021108 | 275/70R22.5 | **EnduCombi RA** | All Position | 18J | 148/145/L | ✔ | | 10.8 |
| 2021111 | 11R24.5 | **EnduCombi RA** | All Position | 14/G | 146/143/L | ✔ | ✔ | 11.2 |
| 2021112 | 11R24.5 | **EnduCombi RA** | All Position | 16/H | 149/146/L | ✔ | ✔ | 11.2 |

** Coming soon*

| TIRE DIMENSIONS AND RIM DATA | | | | | | | | | LOAD CAPACITY PER AXLE (LBS) @PRESSURE | |
|---|---|---|---|---|---|---|---|---|---|---|
| OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | RECOMMENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | STATIC LOADED RADIUS (INCH) | ROLLING CIRCUMFERENCE (INCH) | MINIMUM DUAL SPACING (INCH) | REVS/MILE | LOAD DETAILS (LBS) | |
| | | | | | | | | | SINGLE | DUAL |
| 40.0 | 116 | 18 | 9.00 | 8.25 | 18.7 | 121.8 | 13.2 | 513 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 40.0 | 116 | 18 | 9.00 | 8.25 | 18.7 | 121.8 | 13.2 | 513 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| 41.3 | 119 | 19 | 8.25 | 7.50 | 20.2 | 126.6 | 12.5 | 500 | 6175 lbs @ 105 PSI | 5840 lbs @ 105 PSI |
| 41.3 | 119 | 19 | 8.25 | 7.50 | 20.2 | 126.6 | 12.5 | 500 | 6610 lbs @ 120 PSI | 6005 lbs @ 120 PSI |
| 43.3 | 128 | 19 | 8.25 | 7.50 | 20.2 | 132.9 | 12.5 | 477 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 43.3 | 128 | 19 | 8.25 | 7.50 | 20.2 | 132.9 | 12.5 | 477 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |
| 40.3 | 127 | 23 | 9.00 | 8.25 | 18.7 | 121.8 | 12.5 | 509 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 40.3 | 127 | 23 | 9.00 | 8.25 | 18.7 | 121.8 | 12.5 | 509 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| 41.4 | 130 | 23 | 8.25 | 7.50 | 20.2 | 127.0 | 12.5 | 499 | 6175 lbs @ 105 PSI | 5840 lbs @ 105 PSI |
| 41.4 | 130 | 23 | 8.25 | 7.50 | 20.2 | 127.0 | 12.5 | 499 | 6610 lbs @ 120 PSI | 6005 lbs @ 120 PSI |
| 43.7 | 139 | 23 | 8.25 | 7.50 | 20.2 | 133.4 | 12.5 | 475 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 43.7 | 139 | 23 | 8.25 | 7.50 | 20.2 | 133.4 | 12.5 | 475 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |
| 39.8 | 103 | 12 | 9.00 | 8.25 | 18.7 | 121.8 | 12.5 | 518 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 39.8 | 103 | 12 | 9.00 | 8.25 | 18.7 | 121.8 | 12.5 | 518 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| 41.0 | 110 | 12 | 8.25 | 7.50 | 20.2 | 125.6 | 12.5 | 504 | 6175 lbs @ 105 PSI | 5840 lbs @ 105 PSI |
| 41.0 | 110 | 12 | 8.25 | 7.50 | 20.2 | 125.6 | 12.5 | 504 | 6610 lbs @ 120 PSI | 6005 lbs @ 120 PSI |
| 42.8 | 119 | 13 | 8.25 | 7.50 | 20.2 | 131.7 | 12.5 | 481 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 42.8 | 119 | 13 | 8.25 | 7.50 | 20.2 | 131.7 | 12.5 | 481 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |
| 40.2 | 127 | 20 | 9.00 | 8.25 | 18.7 | 121.8 | 13.2 | 512 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 40.2 | 127 | 20 | 9.00 | 8.25 | 18.7 | 121.8 | 13.2 | 512 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| 41.2 | 129 | 20 | 8.25 | 7.50 | 19.3 | 126.1 | 12.5 | 499 | 6175 lbs @ 105 psi | 5840 lbs @ 105 psi |
| 41.2 | 129 | 20 | 8.25 | 7.50 | 19.3 | 126.1 | 12.5 | 499 | 6610 lbs @ 120 psi | 6005 lbs @ 120 psi |
| 36.6 | 129 | 17 | 7.50 | 8.25 | 17.1 | 111.7 | 11.3 | 560 | 5510 lbs @ 120 psi | 5070 lbs @ 120 psi |
| 37.4 | 117 | 17 | 8.25 | 7.50 | 17.5 | 114.9 | 12.2 | TBC | 6940 lbs @ 130 psi | 6395 lbs @ 130 psi |
| 43.3 | 141 | 21 | 8.25 | 7.50 | 20.2 | 132.6 | 12.5 | 475 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 43.3 | 141 | 21 | 8.25 | 7.50 | 20.2 | 132.6 | 12.5 | 475 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |

| SIZE DESCRIPTION & MARKINGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| PRODUCT CODE | TIRE SIZE | TIRE NAME | TIRE POSITION | PLY RATING/ LOAD RANGE | LI/SS | SMARTWAY | 3PMSF | SECTION WIDTH (INCH) |
| 2021303 | 295/75R22.5 | **EnduCombi RD$^{CS}$** | Drive | 14/G | 144/141/L | ✔ | ✔ | 11.5 |
| 2021302 | 295/75R22.5 | **EnduCombi RD$^{CS}$** | Drive | 16/H | 149/146/L | ✔ | ✔ | 11.5 |
| 2021301 | 11R22.5 | **EnduCombi RD$^{CS}$** | Drive | 14/G | 144/142/L | ✔ | ✔ | 11.1 |
| 2021300 | 11R22.5 | **EnduCombi RD$^{CS}$** | Drive | 16/H | 146/143/L | ✔ | ✔ | 11.1 |
| 2021305 | 11R24.5 | **EnduCombi RD$^{CS}$** | Drive | 14/G | 146/143/L | ✔ | ✔ | 11.2 |
| 2021304 | 11R24.5 | **EnduCombi RD$^{CS}$** | Drive | 16/H | 149/146/L | ✔ | ✔ | 11.2 |
| 2021356 | 295/75R22.5 | **EnduCombi RD$^{OS}$** | Drive | 14/G | 144/141/L | | ✔ | 11.5 |
| 2021355 | 295/75R22.5 | **EnduCombi RD$^{OS}$** | Drive | 16/H | 149/146/L | | ✔ | 11.5 |
| 2021354 | 11R22.5 | **EnduCombi RD$^{OS}$** | Drive | 14/G | 144/142/L | | ✔ | 11.1 |
| 2021353 | 11R22.5 | **EnduCombi RD$^{OS}$** | Drive | 16/H | 146/143/L | | ✔ | 11.1 |
| 2021358 | 11R24.5 | **EnduCombi RD$^{OS}$** | Drive | 14/G | 146/143/L | | ✔ | 11.2 |
| 2021357 | 11R24.5 | **EnduCombi RD$^{OS}$** | Drive | 16/H | 149/146/L | | ✔ | 11.2 |
| 2021600 | 215/75R17.5 | **EnduCombi RT** | Trailer | 16/H | 135/133/K | | ✔ | 8.4 |
| 2023615 | 235/75R17.5 | **EnduCombi RT** | Trailer | 18/J | 143/141/K | | ✔ | 9.3 |
| 2023616 | 245/70R17.5 | **EnduCombi RT** | Trailer | 18/J | 143/141/K | | ✔ | 9.8 |
| 2021610 | 295/75R22.5 | **EnduCombi RT** | Trailer | 14/G | 144/141/L | | | 11.4 |
| 2021609 | 295/75R22.5 | **EnduCombi RT** | Trailer | 16/H | 149/146/L | | | 11.4 |
| 2021605 | 11R22.5 | **EnduCombi RT** | Trailer | 14/G | 144/142/L | | | 11.1 |
| 2021604 | 11R22.5 | **EnduCombi RT** | Trailer | 16/H | 146/143/L | | | 11.1 |
| 2021805 | 11R22.5 | **EnduTrax MA** | All Position | 16/H | 148/145/L | | ✔ | 11.0 |
| 2021802 | 12R22.5 | **EnduTrax MA** | All Position | 16/H | 152/148/L | | ✔ | 11.9 |
| 2021803 | 315/80R22.5 | **EnduTrax MA** | All Position | 20/L | 161/157/K | | ✔ | 12.3 |
| 2023806 | 11R24.5 | **EnduTrax MA** | All Position | 16/H | 149/146/K | | ✔ | 11.0 |
| 2021801 | 385/65R22.5 | **EnduTrax MA HD** | All Position | 22/M | 164/K | | | 15.1 |
| 2023855 | 12R22.5 | **EnduTrax MD** | Drive | 16/H | 152/148/L | | ✔ | 11.9 |
| 2021850 | 315/80R22.5 | **EnduTrax MD** | Drive | 20/L | 157/154/K | | ✔ | 12.3 |

| TIRE DIMENSIONS AND RIM DATA | | | | | | | | | LOAD CAPACITY PER AXLE (LBS) @PRESSURE | |
|---|---|---|---|---|---|---|---|---|---|---|
| OVERALL DIAMETER (INCH) | TIRE WEIGHT LBS | ORIGINAL TREAD DEPTH (1/32") | RECOMMENDED RIM WIDTH (INCH) | ALTERNATE RIM WIDTH (INCH) | STATIC LOADED RADIUS (INCH) | ROLLING CIRCUMFERENCE (INCH) | MINIMUM DUAL SPACING (INCH) | REVS/MILE | LOAD DETAILS (LBS) | |
| | | | | | | | | | SINGLE | DUAL |
| 40.4 | 138 | 25 | 9.00 | 8.25 | 18.7 | 121.8 | 13.2 | 510 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 40.4 | 138 | 25 | 9.00 | 8.25 | 18.7 | 121.8 | 13.2 | 510 | 7160 lbs @ 125 psi | 6610 lbs @ 125 psi |
| 41.4 | 139 | 25 | 8.25 | 7.50 | 19.3 | 126.1 | 12.5 | 497 | 6175 lbs @ 105 psi | 5840 lbs @ 105 psi |
| 41.4 | 139 | 25 | 8.25 | 7.50 | 19.3 | 126.1 | 12.5 | 497 | 6610 lbs @ 120 psi | 6005 lbs @ 120 psi |
| 43.5 | 148 | 24 | 8.25 | 7.50 | 20.2 | 132.6 | 12.5 | 473 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 43.5 | 148 | 24 | 8.25 | 7.50 | 20.2 | 132.6 | 12.5 | 473 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |
| 40.4 | 138 | 25 | 9.00 | 8.25 | 18.7 | 121.8 | 13.2 | 510 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 40.4 | 138 | 25 | 9.00 | 8.25 | 18.7 | 121.8 | 13.2 | 510 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| 41.4 | 139 | 25 | 8.25 | 7.50 | 19.3 | 126.1 | 12.5 | 498 | 6175 lbs @ 105 psi | 5840 lbs @ 105 psi |
| 41.4 | 139 | 25 | 8.25 | 7.50 | 19.3 | 126.1 | 12.5 | 498 | 6610 lbs @ 120 psi | 6005 lbs @ 120 psi |
| 43.5 | 148 | 24 | 8.25 | 7.50 | 20.2 | 132.6 | 12.5 | 473 | 6610 lbs @ 105 psi | 6005 lbs @ 105 psi |
| 43.5 | 148 | 24 | 8.25 | 7.50 | 20.2 | 132.6 | 12.5 | 473 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |
| 30.3 | 69 | 17 | 6.00 | 6.75 | 13.8 | 92.1 | 9.4 | 679 | 4805 lbs @123 psi | 4540 lbs @123 psi |
| 31.5 | 77 | 17 | 6.75 | 7.50 | 14.3 | 97.0 | 10.3 | 653 | 6005 lbs @ 125 psi | 5675 lbs @ 125 psi |
| 31.1 | 75 | 17 | 7.50 | 6.75 | 14.2 | 95.7 | 11.0 | 662 | 6005 lbs @ 125 psi | 5675 lbs @ 125 psi |
| 40.0 | 116 | 16 | 9.00 | 8.25 | 18.7 | 121.8 | 13.2 | 513 | 6175 lbs @ 110 psi | 5675 lbs @ 110 psi |
| 40.0 | 116 | 16 | 9.00 | 8.25 | 18.7 | 121.8 | 13.2 | 513 | 7160 lbs @ 123 psi | 6610 lbs @ 123 psi |
| 40.9 | 121 | 16 | 8.25 | 7.50 | 19.3 | 126.1 | 12.5 | 504 | 6175 lbs @ 105 psi | 5840 lbs @ 105 psi |
| 40.9 | 121 | 16 | 8.25 | 7.50 | 19.3 | 126.1 | 12.5 | 504 | 6610 lbs @ 120 psi | 6005 lbs @ 120 psi |
| 41.6 | 129 | 19 | 8.25 | 7.50 | 19.3 | 129.2 | 12.5 | 495 | 6940 lbs @ 123 psi | 6395 lbs @ 123 psi |
| 42.8 | 143 | 22 | 9.00 | 8.25 | 19.9 | 127.9 | 13.5 | 482 | 7830 lbs @ 123 psi | 6940 lbs @ 123 psi |
| 42.6 | 153 | 21 | 9.00 | 9.75 | 19.7 | 129.2 | 13.8 | 486 | 10200 lbs @ 130 psi | 9090 lbs @ 130 psi |
| 43.2 | 142 | 25 | 8.25 | 7.50 | 20.2 | 132.6 | 12.5 | 474 | 7160 lbs @ 120 psi | 6610 lbs @ 120 psi |
| 42.2 | 171 | 22 | 11.75 | 12.25 | 19.7 | 128.7 | | 487 | 11000 lbs @ 130 psi | |
| 43.3 | 152 | 29 | 9.00 | 8.25 | 20.1 | 130.2 | 13.5 | 481 | 7830 lbs @ 123 psi | 6940 lbs @ 123 psi |
| 43.1 | 168 | 30 | 9.00 | 9.75 | 19.7 | 129.2 | 13.8 | 482 | 9090 lbs @ 130 psi | 8270 lbs @ 130 psi |


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# **SPEED** TABLE

| SYMBOL | D | E | F | G | J | K | L | M | N | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *mph* | *40* | *43* | *50* | *56* | *62* | *68* | *75* | *81* | *87* | *93* | *99* | *106* | *112* | *118* |
| *km/h* | *65* | *70* | *80* | *90* | *100* | *110* | *120* | *130* | *140* | *150* | *160* | *170* | *180* | *190* |

# TECHNOLOGY **DRIVES QUALITY**



# **LOAD** *INFLATION*

Guidelines according to rim size and axle position

*Standard reference : T&RA & ETRTO*

| TIRE DESCRIPTION & MARKINGS | | | | TIRE LOAD LIMITS (KG. / .LBS) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| USAGE SEGMENT | TIRE SIZE | TIRE NAME | AXLE POSITION | SINGLE / DUAL FITMENT | BAR | 4.80 | 5.20 | 5.50 | 5.90 | 6.20 |
| | | | | | KPA | 480 | 520 | 550 | 590 | 620 |
| | | | | | PSI | 70 | 75 | 80 | 85 | 90 |
| LONGHAUL 22.5" | 295/75R22.5 | **EnduMile LHfront** | Front | S | kg. .lbs | 2040 4500 | 2140 4725 | 2240 4940 | 2340 5155 | 2440 5370 |
| | | | | D | kg. .lbs | 1860 4095 | 1950 4300 | 2060 4540 | 2130 4690 | 2220 4885 |
| | 295/75R22.5 | **EnduMile LHD** | Drive | S | kg. .lbs | 2040 4500 | 2140 4725 | 2240 4940 | 2340 5155 | 2440 5370 |
| | | | | D | kg. .lbs | 1860 4095 | 1950 4300 | 2060 4540 | 2130 4690 | 2220 4885 |
| | 295/75R22.5 | **EnduMile LHT** | Trailer | S | kg. .lbs | 2040 4500 | 2140 4725 | 2240 4940 | 2340 5155 | 2440 5370 |
| | | | | D | kg. .lbs | 1860 4095 | 1950 4300 | 2060 4540 | 2130 4690 | 2220 4885 |
| | 11R22.5 | **EnduMile LHfront** | All Position | S | kg. .lbs | 2050 4530 | 2160 4770 | 2260 4990 | 2370 5220 | 2500 5510 |
| | | | | D | kg. .lbs | 1990 4380 | 2080 4580 | 2160 4760 | 2250 4950 | 2360 5205 |
| | 11R22.5 | **EnduMile LHD** | Drive | S | kg. .lbs | 2050 4530 | 2160 4770 | 2260 4990 | 2370 5220 | 2500 5510 |
| | | | | D | kg. .lbs | 1990 4380 | 2080 4580 | 2160 4760 | 2250 4950 | 2360 5205 |
| | 11R22.5 | **EnduMile LHT** | Trailer | S | kg. .lbs | 2050 4530 | 2160 4770 | 2260 4990 | 2370 5220 | 2500 5510 |
| | | | | D | kg. .lbs | 1990 4380 | 2080 4580 | 2160 4760 | 2250 4950 | 2360 5205 |
| LONGHAUL 24.5" | 11R24.5 | **EnduMile LHfront** | All Position | S | kg. .lbs | 2190 4820 | 2300 5070 | 2410 5310 | 2520 5550 | 2650 5840 |
| | | | | D | kg. .lbs | 2110 4660 | 2210 4870 | 2300 5070 | 2390 5260 | 2500 5510 |
| | 11R24.5 | **EnduMile LHD** | Drive | S | kg. .lbs | 2190 4820 | 2300 5070 | 2410 5310 | 2520 5550 | 2650 5840 |
| | | | | D | kg. .lbs | 2110 4660 | 2210 4870 | 2300 5070 | 2390 5260 | 2500 5510 |
| | 11R24.5 | **EnduMile LHT** | Trailer | S | kg. .lbs | 2190 4820 | 2300 5070 | 2410 5310 | 2520 5550 | 2650 5840 |
| | | | | D | kg. .lbs | 2110 4660 | 2210 4870 | 2300 5070 | 2390 5260 | 2500 5510 |
| REGIONAL 17.5" | 215/75R17.5 | **EnduCombi RT** | Trailer | S | kg. .lbs | | 1350 2980 | 1420 3135 | 1495 3295 | 1565 3445 |
| | | | | D | kg. .lbs | | 1270 2800 | 1340 2950 | 1405 3095 | 1470 3240 |
| | 235/75R17.5 | **EnduCombi RT** | Trailer | S | kg. .lbs | | | | | |
| | | | | D | kg. .lbs | | | | | |
| | 245/70R17.5 | **EnduCombi RT** | Trailer | S | kg. .lbs | | | | | |
| | | | | D | kg. .lbs | | | | | |

** Reffered from ETRTO as the load carrying capacity is higher compared to T&RA*

*** As per market requirements*

## AT VARIOUS COLD INFLATION PRESSURES. PRESSURE LISTED IS THE MINIMUM FOR THE LOAD

| 6.60 | 6.90 | 7.20 | 7.60 | 7.90 | 8.30 | 8.50 | 8.75 | 9.00 |
|---|---|---|---|---|---|---|---|---|
| 660 | 690 | 720 | 760 | 790 | 830 | 850 | 875 | 900 |
| 95 | 100 | 105 | 110 | 115 | 120 | 123 | 125 | 130 |
| 2500(F)<br>5510(F) | 2620<br>5780 | 2710<br>5980 | 2800(G)<br>6175(G) | 2890<br>6370 | | *3250 (H)<br>7160(H) | | |
| 2300(F)<br>5070(F) | 2390<br>5260 | 2470<br>5440 | 2575(G)<br>5675(G) | 2630<br>5795 | | *3000 (H)<br>*6610(H) | | |
| 2500(F)<br>5510(F) | 2620<br>5780 | 2710<br>5980 | 2800(G)<br>6175(G) | 2890<br>6370 | | *3250 (H)<br>7160(H) | | |
| 2300(F)<br>5070(F) | 2390<br>5260 | 2470<br>5440 | 2575(G)<br>5675(G) | 2630<br>5795 | | *3000 (H)<br>*6610(H) | | |
| 2500(F)<br>5510(F) | 2620<br>5780 | 2710<br>5980 | 2800(G)<br>6175(G) | 2890<br>6370 | | *3250 (H)<br>7160(H) | | |
| 2300(F)<br>5070(F) | 2390<br>5260 | 2470<br>5440 | 2575(G)<br>5675(G) | 2630<br>5795 | | *3000 (H)<br>*6610(H) | | |
| 2600<br>5730 | 2700<br>5950 | 2800(G)<br>6175(G) | 2870<br>6320 | 2940<br>6465 | 3000(H)<br>6610(H) | | | |
| 2460<br>5415 | 2560<br>5625 | 2650(G)<br>5840(G) | 2680<br>5895 | 2710<br>5950 | 2725(H)<br>6005(H) | | | |
| 2600<br>5730 | 2700<br>5950 | 2800(G)<br>6175(G) | 2870<br>6320 | 2940<br>6465 | 3000(H)<br>6610(H) | | | |
| 2460<br>5415 | 2560<br>5625 | 2650(G)<br>5840(G) | 2680<br>5895 | 2710<br>5950 | 2725(H)<br>6005(H) | | | |
| 2600<br>5730 | 2700<br>5950 | 2800(G)<br>6175(G) | 2870<br>6320 | 2940<br>6465 | 3000(H)<br>6610(H) | | | |
| 2460<br>5415 | 2560<br>5625 | 2650(G)<br>5840(G) | 2680<br>5895 | 2710<br>5950 | 2725(H)<br>6005(H) | | | |
| 2770<br>6095 | 2890<br>6350 | 3000(G)<br>6610(G) | 3080<br>6790 | 3160<br>6970 | *3250(H)<br>7160(H) | | | |
| 2580<br>5675 | 2660<br>5840 | 2725(G)<br>6005(G) | 2820<br>6205 | 2910<br>6405 | *3000(H)<br>6610(H) | | | |
| 2770<br>6095 | 2890<br>6350 | 3000(G)<br>6610(G) | 3080<br>6790 | 3160<br>6970 | *3250(H)<br>7160(H) | | | |
| 2580<br>5675 | 2660<br>5840 | 2725(G)<br>6005(G) | 2820<br>6205 | 2910<br>6405 | *3000(H)<br>6610(H) | | | |
| 2770<br>6095 | 2890<br>6350 | 3000(G)<br>6610(G) | 3080<br>6790 | 3160<br>6970 | *3250(H)<br>7160(H) | | | |
| 2580<br>5675 | 2660<br>5840 | 2725(G)<br>6005(G) | 2820<br>6205 | 2910<br>6405 | *3000(H)<br>6610(H) | | | |
| 1635<br>3660 | 1700(G)<br>3750(G) | | | | | | | |
| 1535<br>3385 | 1600(G)<br>3525(G) | | | | | | | |
| | 2300<br>5070 | 2350<br>5180 | 2400<br>5290 | 2450<br>5400 | 2600<br>5730 | 2650<br>5840 | 2725(J)<br>6005(J) | |
| | 2150<br>4740 | 2225<br>4905 | 2275<br>5015 | 2325<br>5125 | 2450<br>5400 | 2525<br>5565 | 2575(J)<br>5675(J) | |
| | 2300<br>5070 | 2350<br>5180 | 2400<br>5290 | 2450<br>5400 | 2600<br>5730 | 2650<br>5840 | 2725(J)<br>6005(J) | |
| | 2150<br>4740 | 2225<br>4905 | 2275<br>5015 | 2325<br>5125 | 2450<br>5400 | 2525<br>5565 | 2575(J)<br>5675(J) | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| REGIONAL 22.5" | 255/70R22.5 | **EnduCombi RA** | All Position | S | kg. .lbs | 1730 3815 | 1820 4005 | 1900 4190 | 1980 4370 | 2060 4550 |
| | | | | D | kg. .lbs | 1630 3585 | 1710 3765 | 1800 3970 | 1860 4110 | 1940 4275 |
| | 295/75R22.5 | **EnduCombi RA** | All Position | S | kg. .lbs | 2040 4500 | 2140 4725 | 2240 4940 | 2340 5155 | 2440 5370 |
| | | | | D | kg. .lbs | 1860 4095 | 1950 4300 | 2060 4540 | 2130 4690 | 2220 4885 |
| | 295/75R22.5 | **EnduCombi RD CS EnduCombi RD OS** | Drive | S | kg. .lbs | 2040 4500 | 2140 4725 | 2240 4940 | 2340 5155 | 2440 5370 |
| | | | | D | kg. .lbs | 1860 4095 | 1950 4300 | 2060 4540 | 2130 4690 | 2220 4885 |
| | 295/75R22.5 | **EnduCombi RT** | Trailer | S | kg. .lbs | 2040 4500 | 2140 4725 | 2240 4940 | 2340 5155 | 2440 5370 |
| | | | | D | kg. .lbs | 1860 4095 | 1950 4300 | 2060 4540 | 2130 4690 | 2220 4885 |
| | 11R22.5 | **EnduCombi RA** | All Position | S | kg. .lbs | 2050 4530 | 2160 4770 | 2260 4990 | 2370 5220 | 2500 5510 |
| | | | | D | kg. .lbs | 1990 4380 | 2080 4580 | 2160 4760 | 2250 4950 | 2360 5205 |
| | 11R22.5 | **EnduCombi RD CS EnduCombi RD OS** | Drive | S | kg. .lbs | 2050 4530 | 2160 4770 | 2260 4990 | 2370 5220 | 2500 5510 |
| | | | | D | kg. .lbs | 1990 4380 | 2080 4580 | 2160 4760 | 2250 4950 | 2360 5205 |
| | 11R22.5 | **EnduCombi RT** | Trailer | S | kg. .lbs | 2050 4530 | 2160 4770 | 2260 4990 | 2370 5220 | 2500 5510 |
| | | | | D | kg. .lbs | 1990 4380 | 2080 4580 | 2160 4760 | 2250 4950 | 2360 5205 |
| REGIONAL 24.5" | 11R24.5 | **EnduCombi RA** | All Position | S | kg. .lbs | 2190 4820 | 2300 5070 | 2410 5310 | 2520 5550 | 2650 5840 |
| | | | | D | kg. .lbs | 2110 4660 | 2210 4870 | 2300 5070 | 2390 5260 | 2500 5510 |
| | 11R24.5 | **EnduCombi RD CS EnduCombi RD OS** | Drive | S | kg. .lbs | 2190 4820 | 2300 5070 | 2410 5310 | 2520 5550 | 2650 5840 |
| | | | | D | kg. .lbs | 2110 4660 | 2210 4870 | 2300 5070 | 2390 5260 | 2500 5510 |
| MIXED 22.5" | 11R22.5 | **EnduTrax MA** | All Position | S | kg. .lbs | 2050 4530 | 2160 4770 | 2260 4990 | 2370 5220 | 2500 5510 |
| | | | | D | kg. .lbs | 1990 4380 | 2080 4580 | 2160 4760 | 2250 4950 | 2360 5205 |
| | 11R22.5 | **EnduTrax MD** | Drive | S | kg. .lbs | 2050 4530 | 2160 4770 | 2260 4990 | 2370 5220 | 2500 5510 |
| | | | | D | kg. .lbs | 1990 4380 | 2080 4580 | 2160 4760 | 2250 4950 | 2360 5205 |
| | 11R22.5 | **EnduTuff SOD** | Drive | S | kg. .lbs | 2050 4530 | 2160 4770 | 2260 4990 | 2370 5220 | 2500 5510 |
| | | | | D | kg. .lbs | 1990 4380 | 2080 4580 | 2160 4760 | 2250 4950 | 2360 5205 |
| | 12R22.5 | **EnduTrax MA** | All Position | S | kg. .lbs | 2240 4940 | 2360 5200 | 2470 5445 | 2580 5690 | 2725 6000 |
| | | | | D | kg. .lbs | 2170 4785 | 2260 4980 | 2350 5180 | 2440 5380 | 2575 5675 |
| | 12R22.5 | **EnduTrax MD** | Drive | S | kg. .lbs | 2240 4940 | 2360 5200 | 2470 5445 | 2580 5690 | 2725 6000 |
| | | | | D | kg. .lbs | 2170 4785 | 2260 4980 | 2350 5180 | 2440 5380 | 2575 5675 |
| | 315/80R22.5 | **EnduTrax MA** | All Position | S | kg. .lbs | | 2660 5875 | 2800 6175 | 2910 6415 | 3030 6670 |
| | | | | D | kg. .lbs | | 2420 5345 | 2575 5675 | 2650 5840 | 2750 6070 |
| | 315/80R22.5 | **EnduTrax MD** | Drive | S | kg. .lbs | | 2660 5875 | 2800 6175 | 2910 6415 | 3030 6670 |
| | | | | D | kg. .lbs | | 2420 5345 | 2575 5675 | 2650 5840 | 2750 6070 |
| | 385/65R22.5 | **EnduTrax MAHD** | All Position | S | kg. .lbs | 2880 6380 | 3060 6720 | 3150 6940 | 3350 7350 | 3470 7650 |
| MIXED 24.5" | 11R24.5 | **EnduTrax MA** | All Position | S | kg. .lbs | 2190 4820 | 2300 5070 | 2410 5310 | 2520 5550 | 2650 5840 |
| | | | | D | kg. .lbs | 2110 4660 | 2210 4870 | 2300 5070 | 2390 5260 | 2500 5510 |

** Reffered from ETRTO as the load carrying capacity is higher compared to T&RA*

*** As per market requirements*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2120<br>4675 | 2220<br>4895 | 2300<br>5065 | 2360(G)<br>5205(G) | 2450<br>5400 | 2500(H)<br>5510(H) | | | |
| 2000<br>4410 | 2020<br>4455 | 2090<br>4610 | 2120(G)<br>4675(G) | 2230<br>4915 | 2300(H)<br>5070(H) | | | |
| 2500<br>5510 | 2620<br>5780 | 2710<br>5980 | 2800(G)<br>6175(G) | 2890<br>6370 | | *3250 (H)<br>7160(H) | | |
| 2300<br>5070 | 2390<br>5260 | 2470<br>5440 | 2575(G)<br>5675(G) | 2630<br>5795 | | *3000 (H)<br>*6610(H) | | |
| 2500<br>5510 | 2620<br>5780 | 2710<br>5980 | 2800(G)<br>6175(G) | 2890<br>6370 | | *3250 (H)<br>7160(H) | | |
| 2300<br>5070 | 2390<br>5260 | 2470<br>5440 | 2575(G)<br>5675(G) | 2630<br>5795 | | *3000 (H)<br>*6610(H) | | |
| 2500<br>5510 | 2620<br>5780 | 2710<br>5980 | 2800(G)<br>6175(G) | 2890<br>6370 | | *3250 (H)<br>7160(H) | | |
| 2300<br>5070 | 2390<br>5260 | 2470<br>5440 | 2575(G)<br>5675(G) | 2630<br>5795 | | *3000 (H)<br>*6610(H) | | |
| 2600<br>5730 | 2700<br>5950 | 2800(G)<br>6175(G) | 2870<br>6320 | 2940<br>6465 | 3000(H)<br>6610(H) | | | |
| 2460<br>5415 | 2560<br>5625 | 2650(G)<br>5840(G) | 2680<br>5895 | 2710<br>5950 | 2725(H)<br>6005(H) | | | |
| 2600<br>5730 | 2700<br>5950 | 2800(G)<br>6175(G) | 2870<br>6320 | 2940<br>6465 | 3000(H)<br>6610(H) | | | |
| 2460<br>5415 | 2560<br>5625 | 2650(G)<br>5840(G) | 2680<br>5895 | 2710<br>5950 | 2725(H)<br>6005(H) | | | |
| 2600<br>5730 | 2700<br>5950 | 2800(G)<br>6175(G) | 2870<br>6320 | 2940<br>6465 | 3000(H)<br>6610(H) | | | |
| 2460<br>5415 | 2560<br>5625 | 2650(G)<br>5840(G) | 2680<br>5895 | 2710<br>5950 | 2725(H)<br>6005(H) | | | |
| 2770<br>6095 | 2890<br>6350 | 3000(G)<br>6610(G) | 3080<br>6790 | 3160<br>6970 | *3250(H)<br>7160(H) | | | |
| 2580<br>5675 | 2660<br>5840 | 2725(G)<br>6005(G) | 2820<br>6205 | 2910<br>6405 | *3000(H)<br>6610(H) | | | |
| 2770<br>6095 | 2890<br>6350 | 3000(G)<br>6610(G) | 3080<br>6790 | 3160<br>6970 | *3250(H)<br>7160(H) | | | |
| 2580<br>5675 | 2660<br>5840 | 2725(G)<br>6005(G) | 2820<br>6205 | 2910<br>6405 | *3000(H)<br>6610(H) | | | |
| 2600<br>5730 | 2700<br>5950 | 2800<br>6175 | 2870<br>6320 | 2940<br>6465 | 3000<br>6610 | *3150(H)<br>*6940(H) | | |
| 2460<br>5415 | 2560<br>5625 | 2650<br>5840 | 2680<br>5895 | 2710<br>5950 | 2725<br>6005 | *2900(H)<br>*6395(H) | | |
| 2600<br>5730 | 2700<br>5950 | 2800<br>6175 | 2870<br>6320 | 2940<br>6465 | 3000<br>6610 | *3150(H)<br>*6940(H) | | |
| 2460<br>5415 | 2560<br>5625 | 2650<br>5840 | 2680<br>5895 | 2710<br>5950 | 2725<br>6005 | *2900(H)<br>*6395(H) | | |
| 2600<br>5730 | 2700<br>5950 | 2800<br>6175 | 2870<br>6320 | 2940<br>6465 | 3000<br>6610 | *3150(H)<br>*6940(H) | | |
| 2460<br>5415 | 2560<br>5625 | 2650<br>5840 | 2680<br>5895 | 2710<br>5950 | 2725<br>6005 | *2900(H)<br>*6395(H) | | |
| 2820<br>6215 | 2910<br>6415 | 3000<br>6615 | 3120<br>6880 | 3240<br>7145 | 3350<br>7385 | *3550(H)<br>*7830(H) | | |
| 2630<br>5780 | 2680<br>5900 | 2725<br>6010 | 2840<br>6260 | 2960<br>6525 | 3075<br>6780 | *3150(H)<br>*6940(H) | | |
| 2820<br>6215 | 2910<br>6415 | 3000<br>6615 | 3120<br>6880 | 3240<br>7145 | 3350<br>7385 | *3550(H)<br>*7830(H) | | |
| 2630<br>5780 | 2680<br>5900 | 2725<br>6010 | 2840<br>6260 | 2960<br>6525 | 3075<br>6780 | *3150(H)<br>*6940(H) | | |
| 3150(G)<br>6940(G) | 3260<br>7190 | 3370<br>7440 | 3450(H)<br>7610(H) | 3590<br>7920 | 3750(J)<br>8270(J) | 3940<br>8690 | | 4125(L) / **4625 (L)<br>9090(L) / **10200(L) |
| 2900(G)<br>6395(G) | 2970<br>6545 | 3070<br>6770 | 3150(H)<br>6940(H) | 3270<br>7210 | 3450(J)<br>7610(J) | 3590<br>7910 | | 3750(L) / **4125 (L)<br>8270(L) / **9090(L) |
| 3150(G)<br>6940(G) | 3260<br>7190 | 3370<br>7440 | 3450(H)<br>7610(H) | 3590<br>7920 | 3750(J)<br>8270(J) | 3940<br>8690 | | 4125(L)<br>9090(L) |
| 2900(G)<br>6395(G) | 2970<br>6545 | 3070<br>6770 | 3150(H)<br>6940(H) | 3270<br>7210 | 3450(J)<br>7610(J) | 3590<br>7910 | | 3750(L)<br>8270(L) |
| 3650<br>8050 | 3740<br>8230 | 3850<br>8510 | 4000<br>8820 | 4100<br>9050 | 4250 (J)<br>9370(J) | 4340<br>9570 | | 4500 (L) / *5000 (M)<br>9920(M) / *11000(M) |
| 2770<br>6095 | 2890<br>6350 | 3000<br>6610 | 3080<br>6790 | 3160<br>6970 | *3250(H)<br>7160(H) | | | |
| 2580<br>5675 | 2660<br>5840 | 2725<br>6005 | 2820<br>6205 | 2910<br>6405 | *3000(H)<br>6610(H) | | | |

# RETREADING
# & REGROOVING

## RETREADING

Apollo Truck & Bus Radial tires are a premium engineered product, possessing the inherent casing strength required to ensure multiple retread lives. Depending upon the application, our products are designed and manufactured to endure multi-million flex cycles without any fatigue failure.

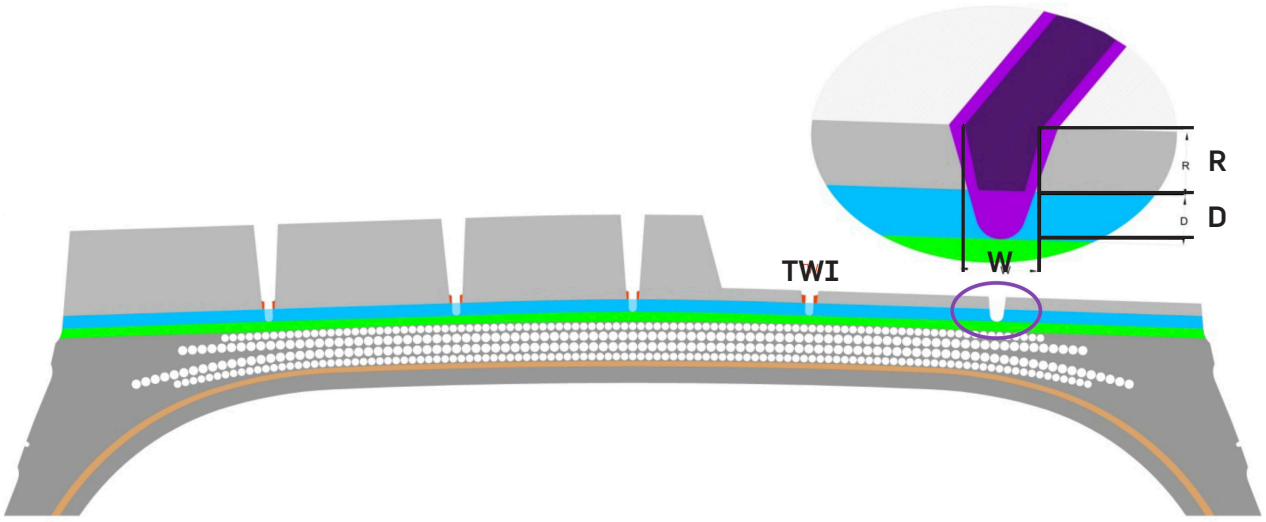
With the foundation of our strong casing construction, along with our tires capability to demonstrate its

## REGROOVING GUIDELINES

Subject to usage conditions and regular tire maintenance. Apollo's highly durable casings can provide multiple tire lives. Regrooving and retreading ensures longer serviceability of tires, and helps Apollo Tyres customers to lower their operating costs.

- Regrooving is done on either new or retreaded tire on which the tread pattern has been renewed by cutting into the tread deeper than the original moulded groove depth.
- The regrooving of truck tires should be entrusted solely to fully trained operators.
- Only genuine certified regrooving tools with electrically heated blades should be used.
- A minimum depth of 2/32" remaining undertread rubber is essential to avoid damage at the top breaker belt.
- Particular care should be taken while selecting tires for regrooving and if heavily damaged in the tread area, the tires should be retreaded instead of regrooved.
- Under no circumstances should a tire be regrooved if it is not marked as "regroovable" on the sidewall area

**R:** Remaining Tread Depth **D:** Nominal re-grooving Depth **W:** Regrooving Width **TWI:** Tread Wear Indicator



# TIRE CONSTRUCTION *& DIMENSIONS*

***TREAD:***
Tread comes in direct contact with the road and provides traction required to manoeuvre the vehicle. The design of the tread varies with the application type and axle position in the vehicle. The tread base helps in minimising the temperature.

***BELTS:***
Steel belts stabilise the tread, minimise distortion of the tire surface contacting the ground and provide puncture resistance. Steel belts restrict case growing during use and increase the tire's structural strength.

***BODY PLY:***
These plies gives the tire its structural strength, ability to contain air pressure, its deflection characteristics and provides sidewall impact resistance. They transmit all load, driving, braking and steering forces between the wheel and tire tread.

***BELT EDGE FILLER:***
Rubber skim is placed at the ends of working belts. This aims to reduce the shear forces acting on the belt ends during the tire use.

***SHOULDER CUSHION:***
Shoulder cushions are contoured rubber strips placed on the body ply under the belt ends. They help provide belt contouring and insulate the body ply from belt edges.

***SIDEWALL:***
The sidewall flexing enables ride comfort and lateral stability. The surface of the sidewall is engraved with all information relating to the loading and speed capacity, inflation pressure. and brand/product name.

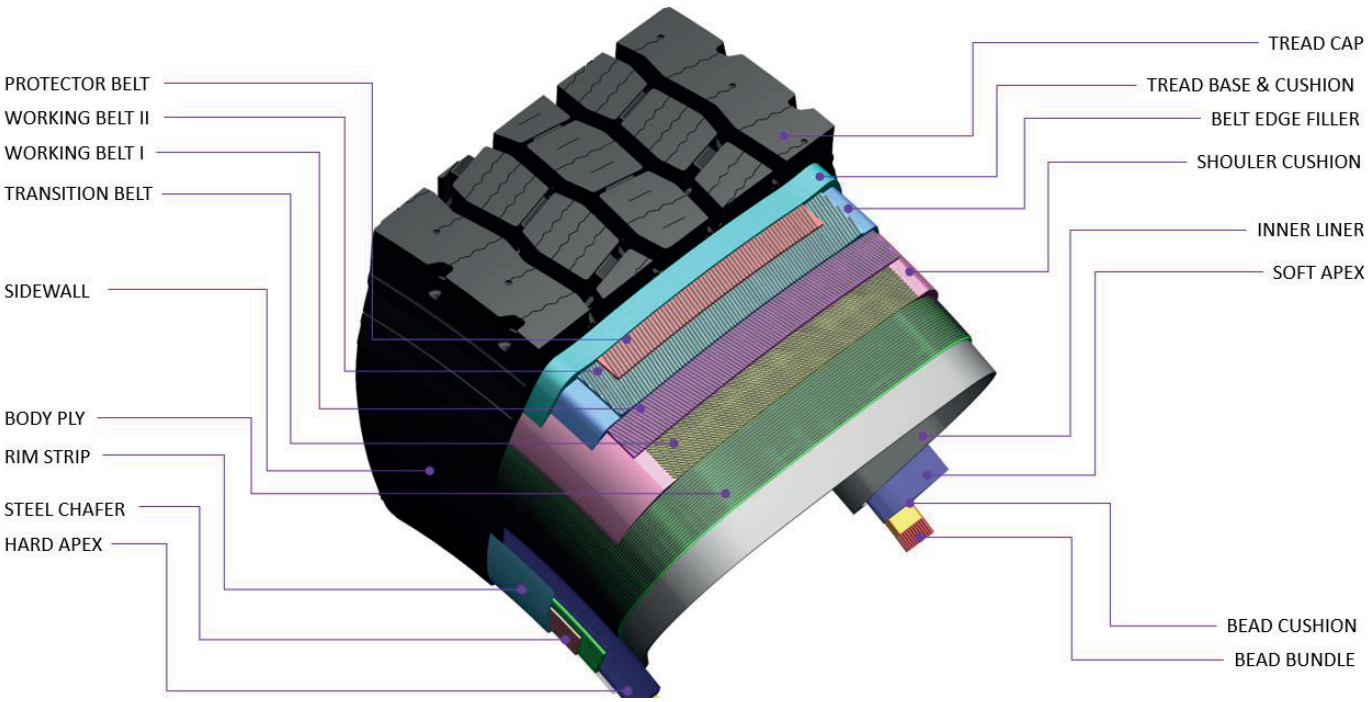
***BEAD BUNDLE:***
Bead bundles are continuous rubber-coated high tensile wires wound to form a high-strength unit to the specific diameter that fits the inflated tire perfectly on a wheel rim. They are the anchor that maintains the carcass seated on the rim, and resists the pull force of carcass cords tensioned by inflation pressure.

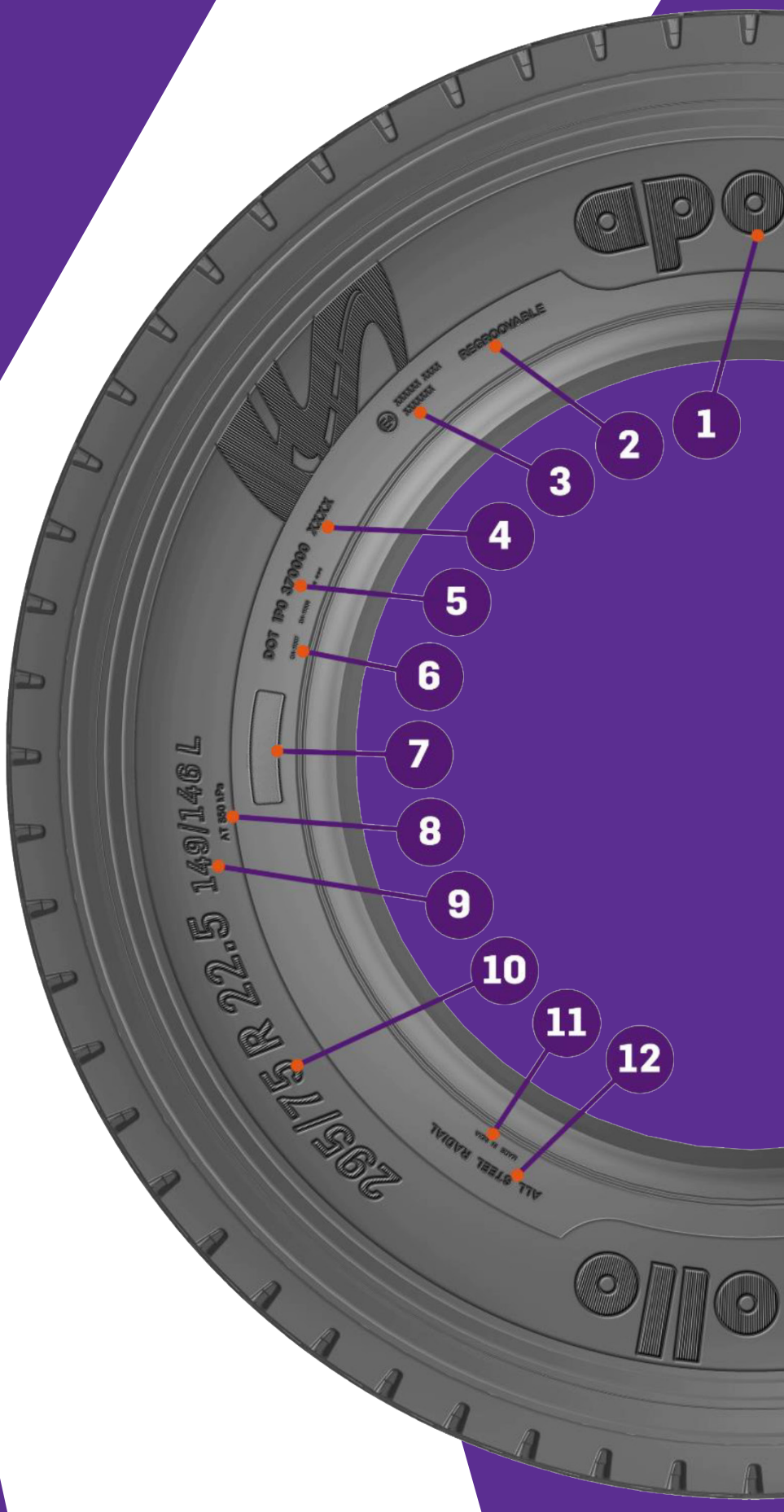
***INNER LINER:***
This is made from a compound with very low permeability. It prevents the diffusion of air and moisture through the tire structure.

***RIM STRIP:***
This is the rubber layer between body ply and wheel rim. It is in direct contact with the wheel rim and is designed to undergo the rigour of mounting and demounting.

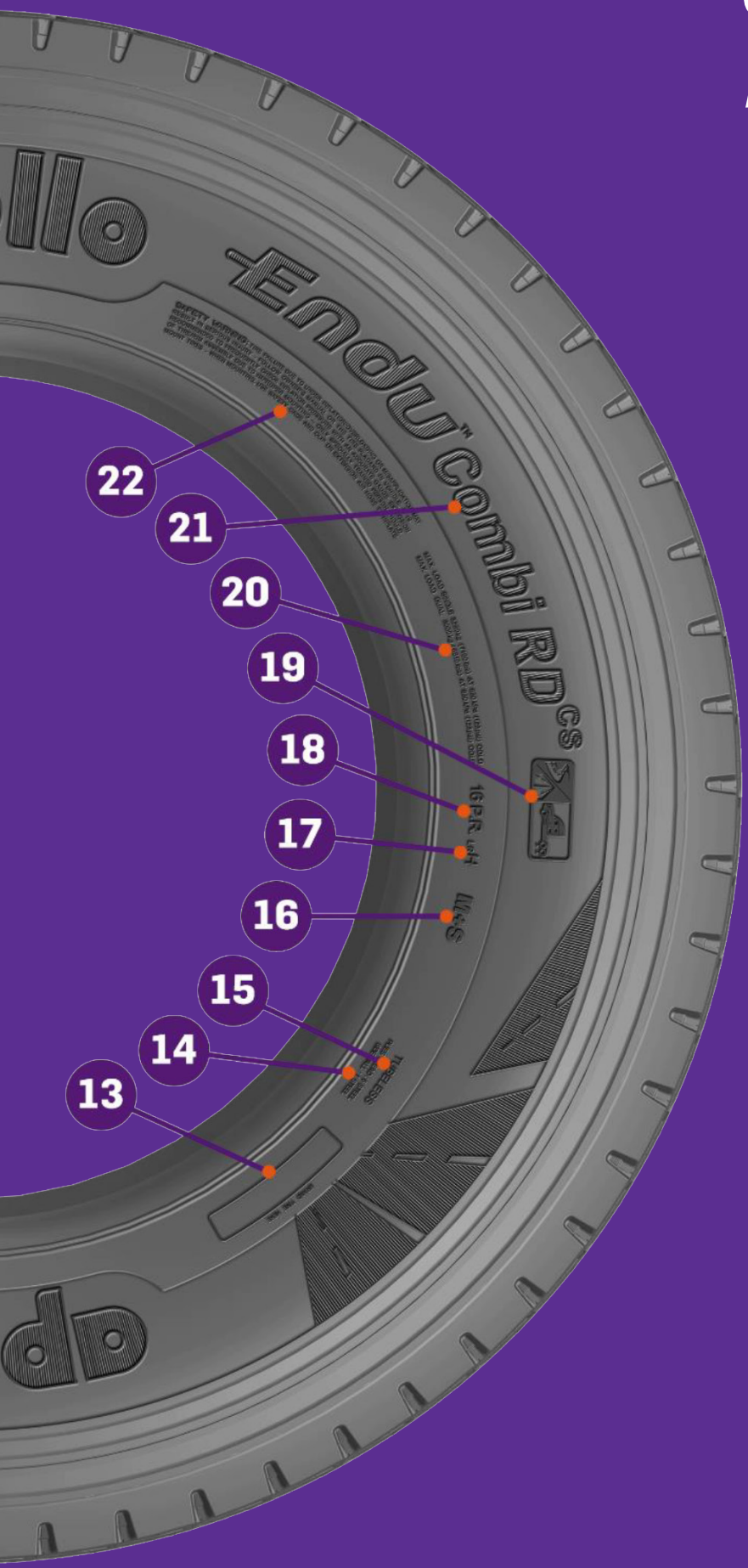
***APEX:***
The apex is a rubber profile place above the bead bundle, which provides a smooth transition from the stiff bead area to the flexible sidewall.

***CHAFER:***
The chafer is a strip of wire placed around the body ply cord in the bead area. Its purpose is to protect the bead area from damage during mounting/ demounting and reduce the effects of chafing between the wheel and tire.




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12
REGROOVABLE
DOT
295/75 R 22.5 149/146 L
ALL STEEL RADIAL

# SIDEWALL *MARKINGS*




1. Manufacturer's name
2. Regroovable
3. ECE marking
4. Week and year code
5. Dot marking
6. Mould reference number
7. Serial number
8. Test inflation pressure
9. Nominal load index and speed symbol
10. Size marking
11. Country of origin
12. All steel radial
13. Provision for hot branding
14. Construction details
15. Tubeless
16. M+S/traction marking
17. Load range
18. Ply rating
19. Pictogram
20. Load and speed details
21. Product name
22. Safety warning

# WARRANTY TERMS




## ELIGIBILITY

This limited warranty applies to the original purchase of any new APOLLO Truck & Bus Radial tires ("TBR") having the Department of Transportation ("DOT") prescribed tire identification number on the tire sidewall. Such tires are eligible only if they are used according to recommendation of vehicle manufacturer and/or Apollo Tires (US) Inc. on the vehicle on which they were originally installed.

This warranty will only apply if all the following qualification requirements are met:

- The tire was purchased after 1st June 2021.
- The tire was purchased from an authorized dealer of Apollo Tires (US) Inc.
- The tire is of a size, has a load rating and speed rating equal to or greater than that recommended by the OE vehicle manufacturer.
- The tire has not become unserviceable due to a condition listed under what is not covered.

In case any Apollo tire covered by this limited warranty should become unserviceable due to a manufacturing related condition during its usable tread life of more than 2/32nds of an inch (1.6 mm) remaining tread, and within seven (7) years from date of tire manufacture, Apollo Tires (US) Inc. will give a credit on the following conditions:

| CATEGORY | TIME PERIOD | POLICY |
|---|---|---|
| TBR Tires | During the first 2/32nds of the original usable tread and one year from date of purchase. | Tire will be replaced with a comparable new Apollo tire on a free of charge basis. Applicable taxes on the new tire and the cost of mounting, balancing and any other charges related to the replacement of the tire shall be paid by the owner/end user. |
| | After the first 2/32nds of the original usable tread or after one year from date of purchase, whichever occurs first. | The credit amount will be determined by multiplying the pre-determined adjustment price* for the tire (excluding taxes) by the percentage of original tread depth remaining on the tire or casing value whichever is higher. |

** Adjustment consideration is calculated using the price of tire at the time of purchase, if that is not available it will be calculated using the current Apollo price in effect at the time of adjustment consideration.*

## WHAT IS NOT COVERED UNDER THIS POLICY

This limited warranty does not apply to tires which have been subjected to any of the following operational conditions:

- Irregular wear and tear or tire damage due to:
  1. Accidental damage such as road hazard injury (including punctures, cuts, bulge, snags, impact breaks, stone drilling, concussion, etc.).
  2. Wreck, collision, fire, chemical corrosion, contamination, tire alteration and/or vandalism.
  3. Natural causes like striking of lightning.
  4. Runflat, casing dis-integration, rupture due to fatigue, overloading, dual touching, rim damage, burnt bead, stone trapping, repair patch damage, spinning, wrong application to fit, misuse, negligence, racing, chain damage, improper mounting-demounting, tire/wheel imbalance, improper retread, improper regrooving, under inflation, installation of incorrect tire or rim size, incorrect repair, vehicle faults, abuse, or abuse.

5. Any tire that has been operated whilst using internal balancing additives, as well as tires that have been reinflated in conjunction with the addition of liquid tire sealant repair materials.
6. Fast Rapid wear, uneven/irregular wear due to mechanical irregularities or faulty alignment of vehicle or due to improper inflation pressure maintenance or improper twinning. No mileage or treadwear warranty is expressed or implied.

- Use outside of the United States.
- Ozone or weather checking/cracking on tires that are more than four (4) years old from the date of manufacture.
- Ride disturbance after 2/32nds tread wear or one (1) year from date of purchase, whichever occurs first.
- Having less than 2/32nds remaining tread depth.
- Tires with the individual serial number cut out or buffed.
- Tires seven (7) years or older from the date of manufacture or seven (7) years or older from the date of purchase, whichever occurs first.
- Any addition of material to a tire after it leaves the factory (e.g., tire fillers, sealants or balancing substance).
- Tires that are put in service and that are not in full accordance with the intended use of the vehicle and the recommendations of the vehicle manufacturer.

This warranty policy does not provide compensation for loss of time, loss of use of vehicle, income or operation, inconvenience or any incidental or consequential damages.

## HOW TO OBTAIN WARRANTY

In order to be eligible for this limited warranty program, the owner must observe the following:

- Present the tire to an authorized Apollo tire dealer in the United States.
- Submit a copy of the original purchase receipt. If no proof of purchase is available, coverage will be based on the date of manufacture noted in the DOT number molded on the sidewall.
- Complete and sign an Apollo Tires (US) Inc. claim form available at any authorized Apollo tire dealer.
- Pay the cost of mounting, balancing, any other service charges, and applicable taxes.
- Tires pertaining to which a complaint under this policy is approved become the property of Apollo Tires (US) Inc.

If the tire owner abuses the tire including but not limited to observe safety warnings, maintain proper tire inflation pressure, maintain vehicle alignment and tire rotation, expected tire performance or life may not be achieved and your safety cannot be ensured.

## CASING WARRANTY

- A casing of a Apollo Truck & Bus Radial tire is warranted when the tire becomes unserviceable or non-retreadable due to any manufacturing related issues, Apollo Tires (US) Inc. will provide a predetermined casing allowance.
- Casing warranty is valid through the 3rd retreaded life for seven (7) years from the date of manufacture.
- Tires used in mining and logging service are not covered under this warranty.
- Casing & retreading allowance shall be as per the following section.

## CASING ALLOWANCE

Casing allowance covers all sizes, patterns, and load ranges.

| | ORIGINAL TREAD | 1ST RETREAD | 2ND RETREAD | 3ND RETREAD |
|---|---|---|---|---|
| 17.5" | $70 | $50 | $30 | $15 |
| 19.5" | $80 | $60 | $40 | $25 |
| 22.5" / 24.5" | $120 | $100 | $75 | $50 |

# RETREAD TIRE ALLOWANCE

Total Allowance Retreaded Tires.
(Remaining Tread Depth) (Retread Allowance + Casing Allowance)

If an Apollo Commercial Truck tire becomes unserviceable during the **First Retread** and is within the the warranty period, in addition to the casing allowance, you will also receive the retread rubber allowance as outlined below:

| | |
|---|---|
| **More than 14/32** | $50.00 + Casing Allowance |
| **8/32 to 14/32** | $30.00 + Casing Allowance |
| **Less than 8/32** | Casing Allowance Only |

- For 19.5 inches or smaller sizes, only casing allowances are warranted.
- Tires used in mining and logging service are not covered under this warranty.

# DISCLAIMER

This warranty, or any warranty is exclusive and in lieu of any other warranty related to the quality and performance of Apollo tires, whether expressed or implied and remedies for breach thereof shall be limited to those specifically provided herein. Any warranty of merchantability of fitness for any particular purpose, if made, is limited in duration to the effective time period of this limited warranty.

### *IMPORTANT SAFETY INFORMATION*

Any tire, regardless of how well it is designed or manufactured, may fail prematurely as a result of punctures, impact related damage, improper inflation pressure, overloading, or any other operationally induced conditions than could be related to abuse. Tire failure could result in a risk of property damage or possibly serious personal injury, and even death.

### *SAFETY WARNING*

Serious personal injury or death may possibly result from a tire failure. Tire failures are in many cases preceded by vibration, sidewall bulges, or irregular wear. If a vibration is felt while driving your vehicle or you observe a sidewall bulge or irregular tread wear pattern, immediately take the affected tire to your nearest qualified tire professional for a complete technical evaluation and report.

# TIRE INFLATION

The U.S. Department of Transportation stipulates that a pre-trip vehicle inspection shall be done. Pre-trip vehicle inspections should include cold-tire inflation pressure checks. Remember to check the inflation pressure of inside fitted dual tires. Make sure that the correct valve extensions and brackets are fitted to your tire & rim assembly.

The only correct method for checking tire inflation pressure is by making use of an accurate tire inflation pressure gauge. Kicking or prodding a tire will only indicate to you that a tire is completely flat.

Check inflation pressure on “Cold” tires. Tires are considered as “Cold” if the vehicle has been parked up for three hours or more in a shaded area, or if the vehicle has been driven for less than one mile, and this at a moderate speed.

Never release pressure from a hot tire in order to reach the recommended cold tire inflation pressure. Normal driving causes tires to run hotter, therefore increasing your tires inflation pressure. If you reduce inflation pressure when your tires are hot, you will run the risk of operating your tires in an under-inflated state.

Should it be required to adjust inflation pressure when your tires are hot, adjust their inflation pressure to 10 psi (69 kPa) above the recommended cold inflation pressure. Make sure to recheck the inflation pressure when the tires are cold.

A pressure difference of 5 psi (35 kPa) or more between dual fitted tires is not recommended.

Use the correct type of valve caps in order to keep the valve core clear of dust/debris.

### *SAFETY WARNING*

Inflating an unsecured tire is extremely dangerous. If it were to explode, it could be hurled into the air with a massive explosive force. If struck by this tire and/or rim assembly, it could result in serious personal injury or death.

- **NEVER** adjust the inflation pressure of a tire unless it is placed in a tire safety cage, secured to a vehicle, or fixed to a tire mounting machine.
- **NEVER** stand or lean over the tire or front of the valve while inflation adjustment is taking place.
- **NEVER** re-inflate a truck tire that has been operated continuously and for an extended period of time at a very low inflation pressure (i.e. 80% or less of the normal operating pressure) without first having carried out a complete inspection of the entire tire. This should be done by a certified tire service professional.

## *TIRE INFLATION PRESSURE*

All tires are required to have the specified inflation pressure that will allow them to operate effectively and perform as intended. A tire offers support to the vehicle and its passengers/loads, while transmitting the braking, acceleration and turning forces. Vehicle manufacturers will recommend the inflation pressures for the tires mounted on your vehicle.

### *SAFETY WARNING*

Operating a tire in an under-inflated / improper inflation pressure condition is dangerous.

- Under-inflation will result in excessive tire heat build-up, which when used over an extended period of time, will result in structural damage.
- Over-inflation will result in the tire been more susceptible to cuts, punctures, and impact/road hazard related breaks.

The above-mentioned conditions can cause a tire to fail, which could possibly lead to serious personal injury or death. For the specified tire operating inflation pressure, please consult your vehicle tire information placard / owner's manual.

In addition to the damage caused to the tire, incorrect inflation pressure could also lead to the following:

- Irregular/rapid/reduced tire wear.
- Affect fuel economy.
- Adversely affect vehicle ride & handling.

## *TIRE REPAIRS*

### *SAFETY WARNING*

Driving on an incorrectly/poorly repaired tire is dangerous. An incorrect/poor repair can be unreliable or can result in further damage been caused to the tire. Sudden and/or dramatic tire failure could occur, resulting in serious personal injury or death. A detailed inspection and subsequent repair of your tire that is carried out in accordance to the Rubber Manufacturers Association (RMA) procedures should only be conducted by a qualified tire service professional.

# TIRE DEMOUNTING & MOUNTING

**THIS POLICY IS NOT INTENDED TO PROVIDE PROPER TRAINING OR SERVICE PROCEDURES FOR TIRE MOUNTING, DEMOUNTING, BALANCING, ROTATION, OR REPAIR. THESE TASKS SHOULD ONLY AND ALWAYS BE PERFORMED BY QUALIFIED TIRE SERVICE PROFESSIONALS.**

Only specially trained persons should mount tires. For specified tire mounting procedures, consult the requirements in accordance to the Occupational Safety and Health Administration (OSHA).

# TRUCK TIRE HOT BRANDING

The following limits are recommended when branding Apollo Truck & Bus Radial tires using a hand held branding tool.

| BRANDING TOOL TEMPERATURE | MAXIMUM DEPTH |
|---|---|
| 480 Deg F (250 Deg C) | 1/32 inch (0.8mm) |
| 570 Deg F (300 Deg C) | 1/64 inch (0.4mm) |

ONLY brand in the designated "BRAND TIRE HERE" area.

### SAFETY WARNING

Mounting and demounting of tire and/or rim assemblies can be dangerous. Attempting to demount or mount tires using the incorrect equipment or procedures may result in a tire explosion causing serious personal injury or death. This is a job for a qualified tire service professional only. Never carry out tire service procedures without the correct signed off training, and equipment.

Inflating an unsecured tire is dangerous. If the tire were to explode, it could be hurled into the air with explosive force resulting in serious personal injury or death.

- **ALWAYS** stand well clear of any tire mounting operation. This is particularly important when the operator inflates the tire.
- When inflating a tire after mounting it onto a rim, **ALWAYS** use a tire safety cage and an extension air-hose fitted with an accurate pressure gauge and clip-on connecter.
- **NEVER** adjust the inflation pressure of a truck tire unless it is placed in a safety cage or is secured to the vehicle or a tire mounting equipment.
- **NEVER** stand or lean over the tire or in front of the valve when inflating.

# TIRE MIS-MATCHING

### SAFETY WARNING

Operating your vehicle with the incorrect combination of tires is dangerous. Your vehicle's handling characteristics could be adversely affected which could result in an accident and/or serious personal injury or death. Consult your vehicle owner's manual and a qualified tire service professional for the correctly specified tire.

# DUAL TIRE MATCHING

Tires paired as a dual assembly should be matched up by tire construction and dimension. For truck radial tires, correctly paired dimension tolerances are as follows:

- Diameter: within 1/4 inch (6.4 mm) of each other.
- Circumference: within 3/4 inch (19 mm) of each other.

***SAFETY WARNING***

Improperly matched tires may result in irregular wear, rapid wear, and ultimately premature tire removal or failure. Failure to match tires in a dual assembly could when operated over an extended period of time also result in sudden/catastrophic tire failure.

# HIGH SPEED DRIVING

Driving at high speeds, even with the correct inflation pressure can lead to a loss of a vehicle control, regardless of the speed and handling capabilities of the vehicle. For example, high speed driving is especially dangerous because a road hazard is more difficult to avoid at a high speed, and if impacted, has a greater chance of causing tire damage than at lower speeds. Please refer to the specified load and speed index as indicated on the tire sidewall. ***SAFETY WARNING***

Driving at high speed is dangerous and can cause a vehicle accident, including serious personal injury or death.

# TIRE STORAGE

When tires are stored outdoors, unused for long periods of time, their surfaces become dry and more susceptible to ozone and weather checking/cracking, which can lead to serious problems to the inner liner and casing plies. Thus, tires should always be stored in a cool, dry place where water cannot collect inside them. Tires should be stored away from sources of heat and in a clean environment free from grease, petroleum, gasoline, and other substances that can deteriorate the rubber.

***SAFETY WARNING***

Improper storage can damage your tires in ways that may not be visible that can result in premature aging of the tires and lead to sudden tire failure.

# ADDITIONAL SAFETY WARNING

Tire failure due to under inflation/overloading or misapplication is dangerous and may result in serious injury – follow owner's manual or the tire placard in vehicle. It is recommended to frequently check inflation pressure with an accurate gauge. Only specially trained person should mount tires – when mounting, use safety cage and clip on extension air hose to inflate.

Federal Motor Carrier Safety Regulations, 49 C.F.R. § 393.75(d), specify that:

- No motor vehicle shall be operated on any tire that—
  1. Has body ply or belt material exposed through the tread or sidewall,
  2. Has any tread or sidewall separation,
  3. Is flat or has an audible leak, or
  4. Has a cut to the extent that the ply or belt material is exposed.
- Any tire on the front wheels of a bus, truck, or truck tractor shall have a tread groove pattern depth of at least 4⁄32 of an inch when measured at any point on a major tread groove. All other tires shall have a tread groove pattern depth of at least 2⁄32 of an inch when measured in a major tread groove. The measurements shall not be made where tie bars, humps, or fillets are located.
- No bus shall be operated with regrooved, recapped or retreaded tires on the front wheels.
- A regrooved tire with a load-carrying capacity equal to or greater than 2.232 kg (4.920 pounds) shall not be used on the front wheels of any truck or truck tractor.
- No motor vehicle may be operated with speed-restricted tires labelled with a maximum speed of 55 mph or less in accordance with S6.5(e) of FMVSS No. 119 at speeds that exceed the rated limit of the tire.

## ADDITIONAL INFORMATION OR CUSTOMER SERVICE

If you have any question on product warranty, please first contact your nearest Apollo tire dealer. For dealer information, or if your question has not been handled to your satisfaction, you may contact Apollo Tires (US) Inc.

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