

# 2020 TRUCK TIRE DATA GUIDE COMMERCIAL VEHICLE TIRES



**GENERAL TIRE**

GENERAL TIRE. SINCE 1915

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# TOUGH. TRUSTED. ANYWHERE.

## FOR MORE THAN 100 YEARS

General Tire offers robust and reliable truck tires that cover Highway, Regional, Urban and On/Off-Road applications for commercial vehicles. Whatever your application, you can trust General Tire to have your back.

GENERAL TIRE. SINCE 1915



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# GENERAL APPLICATION GUIDE



Long Distance Hauls  
 Many Miles to Removal  
 Fuel Efficient  
 Comfortable Ride



Long & Short Distance Hauls  
 Great Handling  
 Durable Tread Compounds  
 Long Lifetimes



Short Distance Hauls  
 Excellent Traction  
 Tough Casing  
 Construction Service

| AXLE                | HIGHWAY   | REGIONAL/URBAN  | ON/OFF-ROAD   |
|---------------------|---|---|---|
| STEER/ALL POSITION* | <br>GENERAL HS   |  <br>GENERAL RA      GENERAL WT |  <br>GRABBER OA      GRABBER OA (WIDE BASE) |
| DRIVE POSITION      | <br>GENERAL HD | <br>GENERAL RD   | <br>GRABBER OD   |
| TRAILER POSITION    | <br>GENERAL HT | <br>GENERAL ST250 LP   | *Tires in the Steer axle position are also suitable for trailing axles on trucks and as all-position fitment where traction is not of paramount importance.   |

WHETHER YOUR OPERATION IS HIGHWAY, REGIONAL, URBAN OR ON/OFF-ROAD, YOU CAN TRUST GENERAL TIRE TO DELIVER **COMMERCIAL TRUCK TIRES THAT WORK AS HARD AS YOU DO.**

# GENERAL AVAILABILITY

## MEDIUM RADIAL TRUCK TIRES Load Range - Tread Depths (32<sup>nds</sup>)

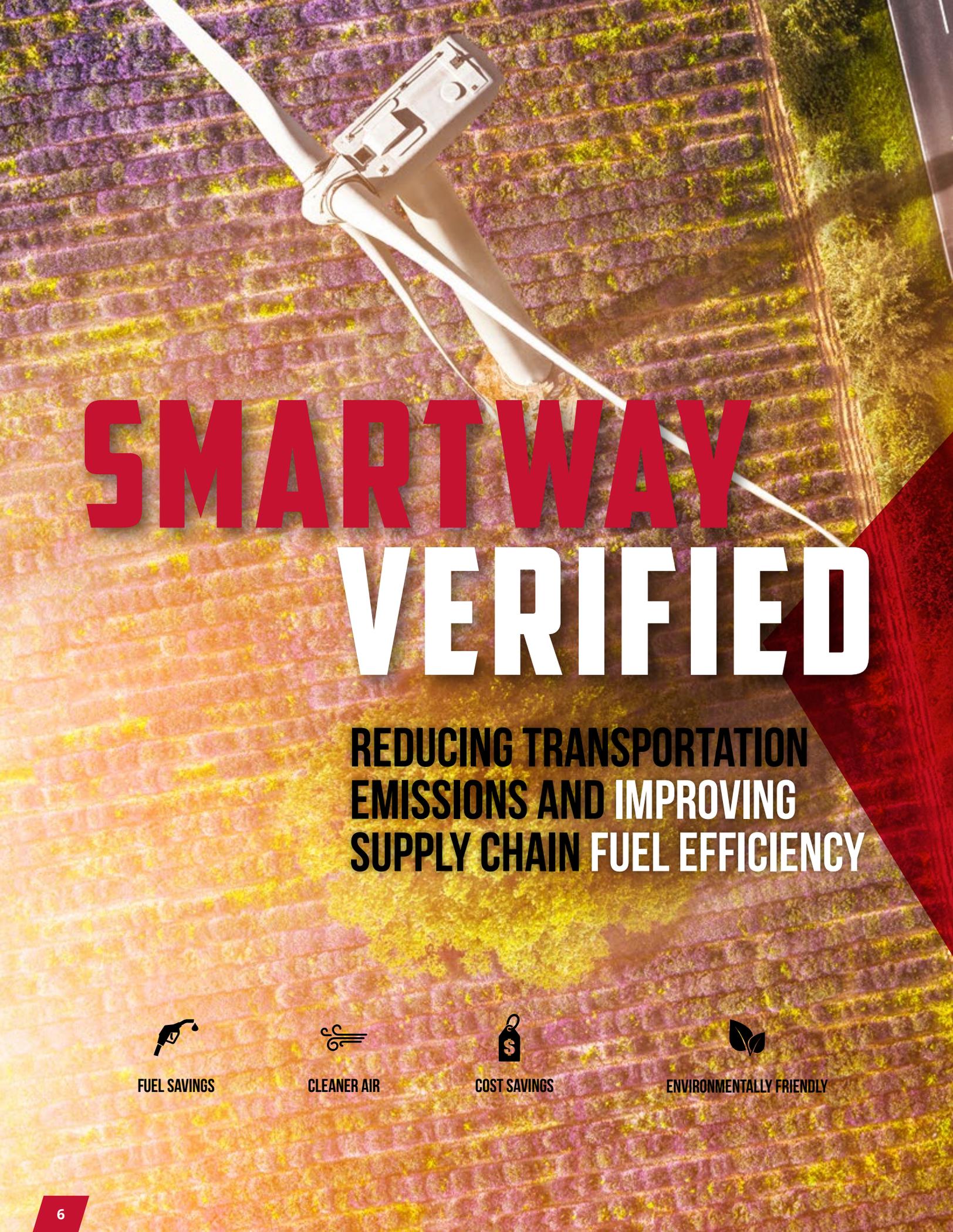
| TIRE SIZE    | GENERAL HS | GENERAL HD | GENERAL HT | GENERAL RA | GENERAL RD | GENERAL ST250 LP | GENERAL WT | GRABBER OA | GRABBER OA (WIDE BASE) | GRABBER OD |
|--------------|------------|------------|------------|------------|------------|------------------|------------|------------|------------------------|------------|
| CONVENTIONAL |            |            |            |            |            |                  |            |            |                        |            |
| 11R22.5      | H - 18     | G/H - 30   | G - 13     | H - 20     | G/H - 28   |                  |            | H - 23     |                        | H - 30     |
| 11R24.5      | H - 18     | G/H - 30   | G - 13     | H - 20     | G/H - 28   |                  |            | H - 23     |                        | H - 30     |
| LOW PROFILE  |            |            |            |            |            |                  |            |            |                        |            |
| 255/70R22.5  |            |            |            |            |            | H - 16           |            |            |                        |            |
| 295/75R22.5  | H - 18     | G - 30     | G - 13     | H - 20     | G - 28     |                  |            |            |                        |            |
| 315/80R22.5  |            |            |            |            |            |                  | L - 26     | L - 24     |                        |            |
| 285/75R24.5  | H - 18     | G - 30     | G - 13     | H - 20     | G - 28     |                  |            |            |                        |            |
| SUPER SINGLE |            |            |            |            |            |                  |            |            |                        |            |
| 385/65R22.5  |            |            |            |            |            |                  |            |            | L - 21                 |            |
| 425/65R22.5  |            |            |            |            |            |                  |            |            | L - 21                 |            |
| 445/65R22.5  |            |            |            |            |            |                  |            |            | L - 21                 |            |

All tires are tubeless except where noted. See Pg. 22 For load range/ply rating equivalency table.

# GENERAL COMPARISON

## TRUCK TIRE COMPARISON CHART

| <b>GENERAL TIRE</b>  | <b>FIRESTONE</b> | <b>YOKOHAMA</b> | <b>BF GOODRICH</b> |
|---|------------------|-----------------|--------------------|
| GENERAL HS  | FS591            | 101ZL           | Highway Control S  |
| GENERAL HD  | FD691            | 712L            | DR454              |
| GENERAL HT  | FT492            | Bluearth 109L   | Highway Control T  |
| GENERAL RA  | FS561            | 104ZR           | ST230              |
| GENERAL RD  | FD711            | 715R            | DR444              |
| GENERAL ST250 LP  | FS560            | RY023           | ST230              |
| GENERAL WT  | FS860            | MY627W          | -                  |
| GRABBER OA  | T819             | MY507           | Cross Control S    |
| GRABBER OA (WIDE BASE)  | FS818            | MY507A          | Cross Control S    |
| GRABBER OD  | T831             | LY053           | Cross Control D    |



# SMARTWAY VERIFIED

**REDUCING TRANSPORTATION  
EMISSIONS AND IMPROVING  
SUPPLY CHAIN FUEL EFFICIENCY**



**FUEL SAVINGS**



**CLEANER AIR**



**COST SAVINGS**



**ENVIRONMENTALLY FRIENDLY**

## VERIFIED LOW-ROLLING RESISTANCE TIRE PRODUCTS

The EPA has determined that certain tire product models and technologies can reduce NOx emissions and fuel use by 3 percent or more, relative to the best-selling products for line haul class 8 tractor trailers. These improvements are achieved under the following conditions:

- ▶ Tires are used in the correct axle positions.
- ▶ Verified low rolling resistance tires are installed on all of the axle positions of the tractor and trailer.
- ▶ All tires must be properly inflated according to the manufacturer's specifications.

The following low-rolling resistance tires are SmartWay verified when used on class 8, line-haul tractor trailers:



**GENERAL HS**  
HIGHWAY STEER



**GENERAL HD**  
HIGHWAY DRIVE



**GENERAL HT**  
HIGHWAY TRAILER



**GENERAL RA**  
REGIONAL ALL-POSITION



**GENERAL ST250 LP**  
REGIONAL TRAILER

For more information on SmartWay or to review the list of SmartWay verified low rolling resistance tires and retread technologies, visit [www.epa.gov/smartway](http://www.epa.gov/smartway). More tires and retreads may currently be verified by SmartWay, always review the SmartWay website for current information.





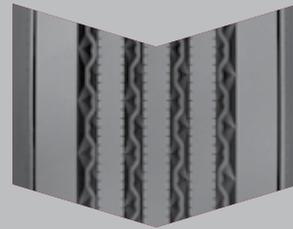
# HIGHWAY

» Long Distance Hauls » Many Miles to Removal » Fuel-Efficient » Comfortable Ride



# GENERAL HS

LONG HAUL, HIGHWAY STEER POSITION



Smartway Verified



## FEATURES & BENEFITS

- ▶ 5-rib tread pattern promotes even wear and high removal mileage.
- ▶ Advanced pyramid-shaped stone ejection system prevents stone retention.
- ▶ Low rolling resistance compound delivers high level of fuel efficiency.
- ▶ Optimized footprint distribution contributes to even wear and higher removal mileage.
- ▶ Enhanced bead to belt package increases casing durability for maximum retreadability.

## TECHNICAL DATA

| Tire Size   | Load Range | Article Number | Tread Depth   32nds | Max Speed   MPH | Static Loaded Radius<br>IN (MM) | Overall Inflated Diameter<br>IN (MM) | Overall Inflated Width<br>IN (MM) | Loaded Section Width<br>IN (MM) | Approved Rim(s) | Minimum Dual Spacing<br>IN (MM) | Revs Per Unit<br>MI (KM) | Tire Weight<br>LB (KG) | Single Max. Load @ Inflation<br>LB, PSI (KG, MPa) | Dual Max. Load @ Inflation<br>LB, PSI (KG, MPa) |
|-------------|------------|----------------|---------------------|-----------------|---------------------------------|--------------------------------------|-----------------------------------|---------------------------------|-----------------|---------------------------------|--------------------------|------------------------|---|---|
| 11R22.5     | H          | 05111220000    | 18                  | 75              | 19.4<br>(493)                   | 41.3<br>(1049)                       | 11.0<br>(279)                     | 12.2<br>(310)                   | 8.25, 7.50      | 12.5<br>(318)                   | 500<br>(311)             | 116<br>(53)            | 6610 / 120<br>(3000 / 830)                        | 6005 / 120<br>(2725 / 830)                      |
| 295/75R22.5 | H          | 05111250000    | 18                  | 75              | 18.7<br>(475)                   | 40.1<br>(1019)                       | 11.0<br>(279)                     | 12.2<br>(310)                   | 8.25, 9.00      | 12.5<br>(318)                   | 516<br>(321)             | 106<br>(51)            | 6940 / 120<br>(3150 / 830)                        | 6175 / 120<br>(2800 / 830)                      |
| 11R24.5     | H          | 05111230000    | 18                  | 75              | 20.4<br>(518)                   | 43.4<br>(1102)                       | 11.0<br>(279)                     | 12.2<br>(310)                   | 8.25, 7.50      | 12.5<br>(318)                   | 477<br>(296)             | 122<br>(56)            | 7160 / 120<br>(3250 / 830)                        | 6610 / 120<br>(3000 / 830)                      |
| 285/75R24.5 | H          | 05111240000    | 18                  | 75              | 19.3<br>(490)                   | 41.3<br>(1050)                       | 11.2<br>(285)                     | 12.0<br>(305)                   | 8.25            | 12.5<br>(318)                   | 501<br>(311)             | 112<br>(51)            | 6780 / 120<br>(3075 / 830)                        | 6175 / 120<br>(2800 / 830)                      |

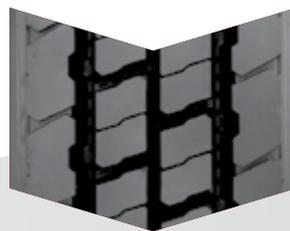
TUBELESS TIRES ON 15 DEGREE DROP CENTER RIMS

Minimum Dual Spacing calculated without chains. # - 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 rim width. Minimum dual spacing should be adjusted accordingly. Continental Tire the Americas, LLC. reserves the right to change product specifications at any time without notice or obligations. Please consult rim manufacturers load and inflation limits. Never exceed rim manufacturers limits without permission of component manufacturer.



# GENERAL HD

LONG/SHORT HAUL, HIGHWAY TANDEM  
DRIVE AXLE



Smartway Verified



## FEATURES & BENEFITS

- ▶ Closed shoulder tread design delivers high mileage and optimal fuel economy.
- ▶ Deep 30/32" intermediate blocks deliver sustained traction in demanding applications.
- ▶ Improved bead design for better casing durability and retreadability.
- ▶ Stone ejection system reduces stone retention.

## TECHNICAL DATA

| Tire Size   | Load Range | Article Number | Tread Depth   32nds | Max Speed   MPH | Static Loaded Radius<br>IN (MM) | Overall Inflated Diameter<br>IN (MM) | Overall Inflated Width<br>IN (MM) | Loaded Section Width<br>IN (MM) | Approved Rim(s) | Minimum Dual Spacing<br>IN (MM) | Revs Per Unit<br>MI (KM) | Tire Weight<br>LB (KG) | Single Max. Load @ Inflation<br>LB, PSI (KG, KPa) | Dual Max. Load @ Inflation<br>LB, PSI (KG, KPa) |
|-------------|------------|----------------|---------------------|-----------------|---------------------------------|--------------------------------------|-----------------------------------|---------------------------------|-----------------|---------------------------------|--------------------------|------------------------|---|---|
| 11R22.5     | G          | 05210950000    | 30                  | 75              | 19.6<br>(498)                   | 42.1<br>(1069)                       | 11.1<br>(282)                     | 12.3<br>(312)                   | 8.25, 7.50      | 12.5<br>(318)                   | 492<br>(306)             | 123<br>(55)            | 6175 / 105<br>(2800 / 720)                        | 5840 / 105<br>(2650 / 720)                      |
| 11R22.5     | H          | 05210960000    | 30                  | 75              | 19.6<br>(498)                   | 42.1<br>(1069)                       | 11.1<br>(282)                     | 12.3<br>(312)                   | 8.25, 7.50      | 12.5<br>(318)                   | 492<br>(306)             | 124<br>(56)            | 6610 / 120<br>(3000 / 830)                        | 6005 / 120<br>(2725 / 830)                      |
| 295/75R22.5 | G          | 05211000000    | 30                  | 75              | 19.1<br>(485)                   | 40.9<br>(1039)                       | 10.9<br>(277)                     | 12.0<br>(305)                   | 8.25, 9.00      | 12.5<br>(318)                   | 506<br>(314)             | 118<br>(53)            | 6175 / 110<br>(2800 / 760)                        | 5675 / 110<br>(2575 / 760)                      |
| 11R24.5     | G          | 05210970000    | 30                  | 75              | 20.6<br>(523)                   | 44.1<br>(1120)                       | 11.1<br>(282)                     | 12.3<br>(312)                   | 8.25, 7.50      | 12.5<br>(318)                   | 469<br>(292)             | 131<br>(59)            | 6610 / 105<br>(3000 / 720)                        | 6005 / 105<br>(2725 / 720)                      |
| 11R24.5     | H          | 05210980000    | 30                  | 75              | 20.6<br>(523)                   | 44.1<br>(1120)                       | 11.1<br>(282)                     | 12.3<br>(312)                   | 8.25, 7.50      | 12.5<br>(318)                   | 469<br>(292)             | 133<br>(60)            | 7160 / 120<br>(3250 / 830)                        | 6610 / 120<br>(3000 / 830)                      |
| 285/75R24.5 | G          | 05210990000    | 30                  | 75              | 19.7<br>(500)                   | 42.1<br>(1069)                       | 10.8<br>(274)                     | 11.9<br>(302)                   | 8.25            | 12.5<br>(318)                   | 492<br>(306)             | 123<br>(56)            | 6175 / 110<br>(2800 / 760)                        | 5675 / 110<br>(2575 / 760)                      |

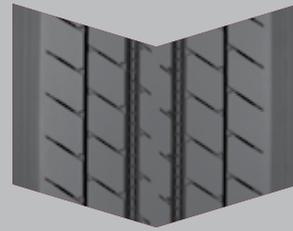
TUBELESS TIRES ON 15 DEGREE DROP CENTER RIMS

Note - Rim listed first is the measuring rim. Minimum Dual Spacing calculated without chains. # - 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 rim width. Minimum dual spacing should be adjusted accordingly. Continental Tire the Americas, LLC. reserves the right to change product specifications at any time without notice or obligations. Please consult rim manufacturers load and inflation limits. Never exceed rim manufacturers limits without permission of component manufacturer.



# GENERAL HT

LONG HAUL, HIGHWAY TRAILER AXLE



Smartway Verified



## FEATURES & BENEFITS

- ▶ Tread design provides proven fuel economy and performance in a demanding application.
- ▶ Wider casing allows for industry standard 220mm retread.
- ▶ Patented innovative groove technology leads to minimum stone retention, extending casing life.
- ▶ Scruff ribs protect sidewall from curbing and cutting.
- ▶ 13/32" tread depth minimizes tread squirm and irregular wear.

## TECHNICAL DATA

| Tire Size    | Load Range | Article Number | Tread Depth   32nds | Max Speed   MPH | Static Loaded Radius<br>IN (MM) | Overall Inflated Diameter<br>IN (MM) | Overall Inflated Width<br>IN (MM) | Loaded Section Width<br>IN (MM) | Approved Rim(s) | Minimum Dual Spacing<br>IN (MM) | Revs Per Unit<br>MI (KM) | Tire Weight<br>LB (KG) | Single Max. Load @ Inflation<br>LB, PSI (KG, MPa) | Dual Max. Load @ Inflation<br>LB, PSI (KG, MPa) |
|--------------|------------|----------------|---------------------|-----------------|---------------------------------|--------------------------------------|-----------------------------------|---------------------------------|-----------------|---------------------------------|--------------------------|------------------------|---|---|
| 11R22.5      | G          | 05310400000    | 13                  | 75              | 19.3<br>(490)                   | 41.1<br>(1044)                       | 11.1<br>(282)                     | 12.2<br>(310)                   | 8.25, 7.50      | 12.5<br>(318)                   | 504<br>(313)             | 105<br>(48)            | 6175 / 105<br>(2800 / 720)                        | 5840 / 105<br>(2650 / 720)                      |
| 255/70R22.5* | H          | 05310420000    | 18                  | 75              | 17.1<br>(434)                   | 36.6<br>(929)                        | 9.9<br>(251)                      | 10.8<br>(274)                   | 7.50, 8.25      | 11.3<br>(287)                   | 566<br>(352)             | 91<br>(41)             | 5510 / 120<br>(2500 / 830)                        | 5070 / 120<br>(2300 / 830)                      |
| 295/75R22.5  | G          | 05310440000    | 13                  | 75              | 18.5<br>(470)                   | 39.8<br>(1011)                       | 10.9<br>(277)                     | 12.0<br>(305)                   | 8.25, 7.50      | 12.5<br>(318)                   | 520<br>(323)             | 100<br>(45)            | 6175 / 110<br>(2800 / 760)                        | 5675 / 110<br>(2575 / 760)                      |
| 11R24.5      | G          | 05310410000    | 13                  | 75              | 20.2<br>(513)                   | 43.0<br>(1092)                       | 11.1<br>(282)                     | 12.2<br>(310)                   | 8.25, 7.50      | 12.5<br>(318)                   | 481<br>(299)             | 113<br>(51)            | 6610 / 105<br>(3000 / 720)                        | 6005 / 105<br>(2725 / 720)                      |
| 285/75R24.5  | G          | 05310430000    | 13                  | 75              | 19.1<br>(485)                   | 41.1<br>(1041)                       | 10.9<br>(277)                     | 12.0<br>(305)                   | 8.25            | 12.5<br>(318)                   | 505<br>(314)             | 106<br>(48)            | 6175 / 110<br>(2800 / 7600)                       | 5675 / 110<br>(2575 / 760)                      |

TUBELESS TIRES ON 15 DEGREE DROP CENTER RIMS

Note - Rim listed first is the measuring rim. Minimum Dual Spacing calculated without chains. # - 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 rim width. Minimum dual spacing should be adjusted accordingly. Continental Tire the Americas, LLC. reserves the right to change product specifications at any time without notice or obligations. Please consult rim manufacturers load and inflation limits. Never exceed rim manufacturers limits without permission of component manufacturer.



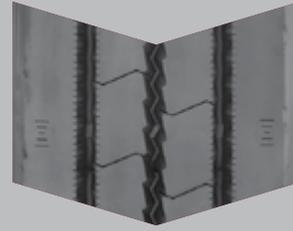
# REGIONAL/URBAN

► Long & Short Distance Hauls ► Great Handling ► Durable Tread Compounds ► Long Lifetimes

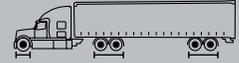


# GENERAL RA

ALL-POSITION SERVICE IN REGIONAL HAULING,  
PICK-UP & DELIVERY, AND ON/OFF HIGHWAY



Smartway Verified



## FEATURES & BENEFITS

- ▶ A hard-working regional, all-position tire featuring high removal mileage and even, reliable wear.
- ▶ Tread compounding provides resistance to abrasion, cutting and chipping in demanding regional applications.
- ▶ The General RA will deliver performance that lowers costs for your business and gives drivers confidence in demanding applications.

## TECHNICAL DATA

| Tire Size   | Load Range | Article Number | Tread Depth   32nds | Max Speed   MPH | Static Loaded Radius<br>IN (MM) | Overall Inflated Diameter<br>IN (MM) | Overall Inflated Width<br>IN (MM) | Loaded Section Width<br>IN (MM) | Approved Rim(s) | Minimum Dual Spacing<br>IN (MM) | Revs Per Unit<br>MI (KM) | Tire Weight<br>LB (KG) | Single Max. Load @ Inflation<br>LB, PSI (KG, KPa) | Dual Max. Load @ Inflation<br>LB, PSI (KG, KPa) |
|-------------|------------|----------------|---------------------|-----------------|---------------------------------|--------------------------------------|-----------------------------------|---------------------------------|-----------------|---------------------------------|--------------------------|------------------------|---|---|
| 11R22.5     | H          | 05122920000    | 20                  | 75              | 19.3<br>(490)                   | 41.4<br>(1052)                       | 11.1<br>(281)                     | 11.9<br>(302)                   | 8.25, 7.50      | 12.5<br>(318)                   | 500<br>(311)             | 118<br>(54)            | 6610 / 120<br>(3000 / 830)                        | 6005 / 120<br>(2725 / 830)                      |
| 295/75R22.5 | H          | 05122910000    | 20                  | 75              | 18.6<br>(472)                   | 40.1<br>(1019)                       | 11.0<br>(279)                     | 12.5<br>(318)                   | 8.25, 9.00      | 12.5<br>(318)                   | 516<br>(321)             | 113<br>(51)            | 6940 / 120<br>(3150 / 830)                        | 6175 / 120<br>(2800 / 830)                      |
| 11R24.5     | H          | 05122930000    | 20                  | 75              | 20.3<br>(516)                   | 43.4<br>(1103)                       | 11.1<br>(281)                     | 11.9<br>(302)                   | 8.25, 7.50      | 12.5<br>(318)                   | 477<br>(296)             | 128<br>(58)            | 7160 / 120<br>(3250 / 830)                        | 6610 / 120<br>(3000 / 830)                      |
| 285/75R24.5 | H          | 05122940000    | 20                  | 75              | 19.3<br>(490)                   | 41.3<br>(1049)                       | 10.8<br>(274)                     | 12.0<br>(305)                   | 8.25            | 12.5<br>(318)                   | 501<br>(311)             | 118<br>(53)            | 6780 / 120<br>(3075 / 830)                        | 6175 / 120<br>(2800 / 830)                      |

TUBELESS TIRES ON 15 DEGREE DROP CENTER RIMS

Note - Rim listed first is the measuring rim. Minimum Dual Spacing calculated without chains. # - 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 rim width. Minimum dual spacing should be adjusted accordingly. Continental Tire the Americas, LLC. reserves the right to change product specifications at any time without notice or obligations. Please consult rim manufacturers load and inflation limits. Never exceed rim manufacturers limits without permission of component manufacturer.



# GENERAL RD

LONG/SHORT HAUL, HIGHWAY SINGLE/TANDEM  
DRIVE AXLE



## FEATURES & BENEFITS

- ▶ An open shoulder drive tire that gives long life over short or long hauls with great traction.
- ▶ Innovative lug angle provides outstanding traction throughout the life of the tread.
- ▶ Tread design provides excellent wet/dry traction, resists irregular wear and reduces stone retention.

## TECHNICAL DATA

| Tire Size    | Load Range | Article Number | Tread Depth   <sup>32nds</sup> | Max Speed   MPH | Static Loaded Radius<br>IN (MM) | Overall Inflated Diameter<br>IN (MM) | Overall Inflated Width<br>IN (MM) | Loaded Section Width<br>IN (MM) | Approved Rim(s) | Minimum Dual Spacing<br>IN (MM) | Revs Per Unit<br>MI (KM) | Tire Weight<br>LB (KG) | Single Max. Load @ Inflation<br>LB PSI (KG, KPa) | Dual Max. Load @ Inflation<br>LB PSI (KG, KPa) |
|--------------|------------|----------------|--------------------------------|-----------------|---------------------------------|--------------------------------------|-----------------------------------|---------------------------------|-----------------|---------------------------------|--------------------------|------------------------|--|--|
| 11R22.5*     | G          | 05211030000    | 28                             | 75              | 19.5 (495)                      | 41.8 (1062)                          | 11.3 (287)                        | 12.1 (307)                      | 8.25            | 12.5 (318)                      | 495 (308)                | 122 (55)               | 6175 / 105 (2800 / 720)                          | 5840 / 105 (2650 / 720)                        |
| 11R22.5*     | H          | 05211040000    | 28                             | 75              | 19.5 (495)                      | 41.8 (1062)                          | 11.3 (287)                        | 12.1 (307)                      | 8.25            | 12.5 (318)                      | 495 (308)                | 124 (56)               | 6610 / 120 (3000 / 830)                          | 6005 / 120 (2725 / 830)                        |
| 295/75R22.5* | G          | 05211080000    | 28                             | 75              | 18.9 (480)                      | 40.8 (1036)                          | 11.0 (279)                        | 12.2 (310)                      | 8.25            | 12.5 (318)                      | 509 (315)                | 116 (52)               | 6175 / 110 (2800 / 760)                          | 5675 / 110 (2575 / 760)                        |
| 11R24.5      | G          | 05211050000    | 28                             | 75              | 20.6 (523)                      | 43.8 (1113)                          | 11.3 (287)                        | 12.2 (310)                      | 8.25            | 12.5 (318)                      | 472 (293)                | 131 (59)               | 6610 / 105 (3000 / 720)                          | 6005 / 105 (2725 / 720)                        |
| 11R24.5      | H          | 05211060000    | 28                             | 75              | 20.6 (523)                      | 43.8 (1113)                          | 11.3 (287)                        | 12.2 (310)                      | 8.25            | 12.5 (318)                      | 472 (293)                | 133 (60)               | 7160 / 120 (3250 / 830)                          | 6610 / 120 (3000 / 830)                        |
| 285/75R24.5  | G          | 05211070000    | 28                             | 75              | 19.6 (498)                      | 42.0 (1066)                          | 10.7 (272)                        | 12.1 (307)                      | 8.25            | 12.5 (318)                      | 493 (306)                | 120 (54)               | 6175 / 110 (2800 / 760)                          | 5675 / 110 (2575 / 760)                        |

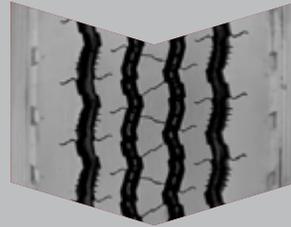
TUBELESS TIRES ON 15 DEGREE DROP CENTER RIMS

Note - Rim listed first is the measuring rim. Minimum Dual Spacing calculated without chains. # - 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 rim width. Minimum dual spacing should be adjusted accordingly. Continental Tire the Americas, LLC. reserves the right to change product specifications at any time without notice or obligations. Please consult rim manufacturers load and inflation limits. Never exceed rim manufacturers limits without permission of component manufacturer.



# GENERAL ST250 LP

LONG HAUL AND REGIONAL HAUL, ON/OFF  
HIGHWAY, LOW PLATFORM TRAILER AXLE



Smartway Verified



## FEATURES & BENEFITS

- ▶ Unique see through grooves provide water evacuation so you can count on this low profile trailer tire for its wet traction capabilities.
- ▶ Patented stone ejection system reduces stone retention and casing penetrations.

## TECHNICAL DATA

| Tire Size   | Load Range | Article Number | Tread Depth   32nds | Max Speed   MPH | Static Loaded Radius<br>IN (MM) | Overall Inflated Diameter<br>IN (MM) | Overall Inflated Width<br>IN (MM) | Loaded Section Width<br>IN (MM) | Approved Rim(s) | Minimum Dual Spacing<br>IN (MM) | Revs Per Unit<br>MI (KM) | Tire Weight<br>LB (KG) | Single Max. Load @ Inflation<br>LB, PSI (KG, KPa) | Dual Max. Load @ Inflation<br>LB, PSI (KG, KPa) |
|-------------|------------|----------------|---------------------|-----------------|---------------------------------|--------------------------------------|-----------------------------------|---------------------------------|-----------------|---------------------------------|--------------------------|------------------------|---|---|
| 255/70R22.5 | H          | 05681130000    | 16                  | 75              | 16.9<br>(429)                   | 36.5<br>(927)                        | 9.8<br>(249)                      | 11.0<br>(279)                   | 8.25, 7.50      | 11.3<br>(287)                   | 567<br>(352)             | 88<br>(40)             | 5510 / 120<br>(2500 / 830)                        | 5070 / 120<br>(2300 / 830)                      |

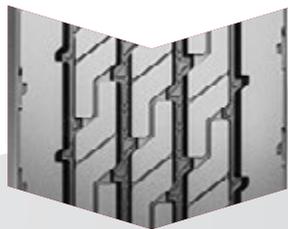
TUBELESS TIRES ON 15 DEGREE DROP CENTER RIMS

Note - Rim listed first is the measuring rim. Minimum Dual Spacing calculated without chains. # - 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 rim width. Minimum dual spacing should be adjusted accordingly. Continental Tire the Americas, LLC. reserves the right to change product specifications at any time without notice or obligations. Please consult rim manufacturers load and inflation limits. Never exceed rim manufacturers limits without permission of component manufacturer.



# GENERAL WT

WASTE TRANSPORTATION AND OTHER  
HIGH SCRUB, URBAN APPLICATIONS



## FEATURES & BENEFITS

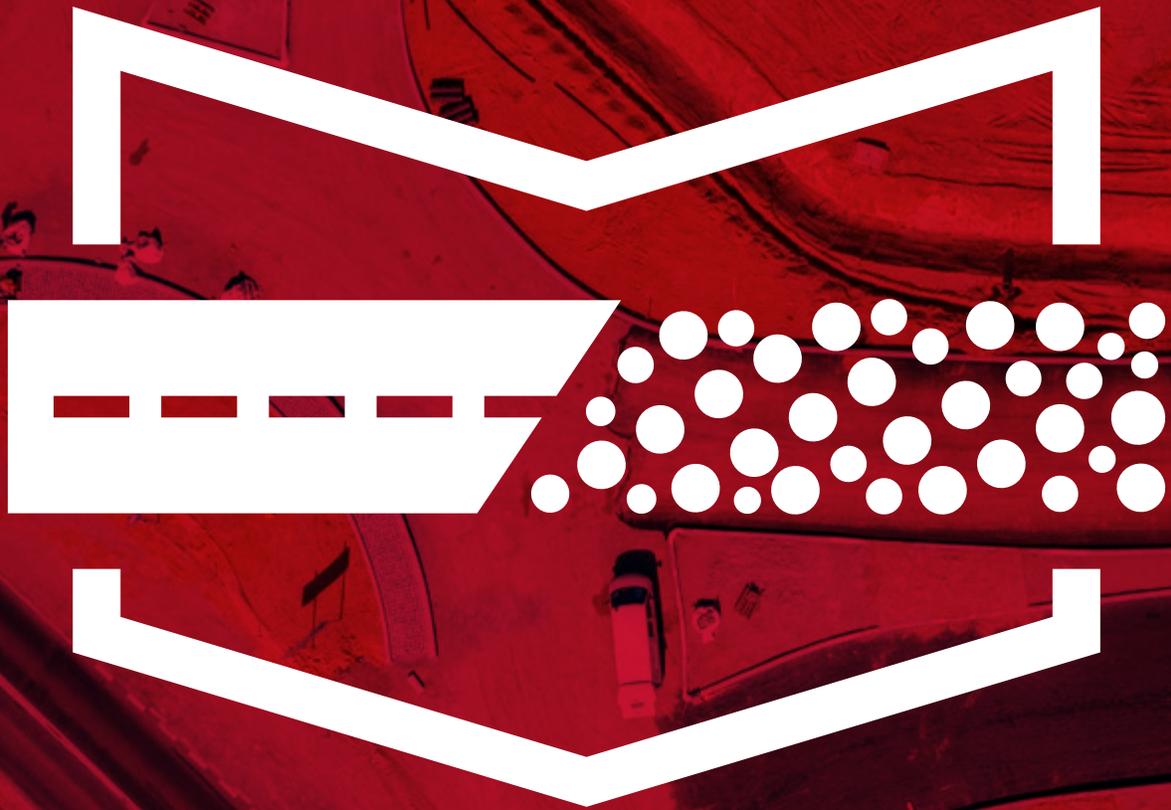
- ▶ Advanced tread compound balances cut and tear resistance with optimized mileage specifically for the waste transport industry.
- ▶ Bead construction engineered to withstand high brake temperatures, providing structural durability and extended product life.
- ▶ Innovative groove technology leads to minimum stone retention, extending casing life.

## TECHNICAL DATA

| Tire Size   | Load Range | Article Number | Tread Depth   32nds | Max Speed   MPH | Static Loaded Radius<br>IN (MM) | Overall Inflated Diameter<br>IN (MM) | Overall Inflated Width<br>IN (MM) | Loaded Section Width<br>IN (MM) | Approved Rim(s) | Minimum Dual Spacing<br>IN (MM) | Revs Per Unit<br>MI (KM) | Tire Weight<br>LB (KG) | Single Max. Load @ Inflation<br>LB PSI (KG, KPa) | Dual Max. Load @ Inflation<br>LB PSI (KG, KPa) |
|-------------|------------|----------------|---------------------|-----------------|---------------------------------|--------------------------------------|-----------------------------------|---------------------------------|-----------------|---------------------------------|--------------------------|------------------------|--|--|
| 315/80R22.5 | L          | 05321170000    | 26                  | 68              | 20.1<br>(510)                   | 43.0<br>(1093)                       | 12.5<br>(316)                     | 13.6<br>(345)                   | 9.00            | 13.8<br>(351)                   | 481<br>(299)             | 153<br>(69)            | 10,000 / 130<br>(4540 / 900)                     | 9090 / 130<br>(4125 / 900)                     |

TUBELESS TIRES ON 15 DEGREE DROP CENTER RIMS

Note - Rim listed first is the measuring rim. Minimum Dual Spacing calculated without chains. \* - ECE Certified # - 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 rim width. Minimum dual spacing should be adjusted accordingly. 315/80R22.5 tires used on 8.25" rims are restricted to a maximum of 7610 lbs at 120 psi. Continental Tire the Americas, LLC reserves the right to change product specifications at any time without notice or obligations. Please consult rim manufacturers load and inflation limits. Never exceed rim manufacturers limits without permission of component manufacturer. When used on an 8.25" rim, the maximum load and pressure is lower than that indicated on the sidewall.



# ON/OFF-ROAD

» Short Distance Hauls » Excellent Traction » Tough Casing » Construction Service



# GRABBER OA

CONSTRUCTION SERVICE, ON/OFF HIGHWAY,  
ALL-POSITION



## FEATURES & BENEFITS

- ▶ Designed to reduce damage from curbing, cuts and abrasions means you can be confident either on or off the highway.
- ▶ Patented innovative groove technology leads to minimum stone retention, extending casing life.
- ▶ 23/32" tread depth and cut / chip resistant tread compound deliver optimal mileage.

## TECHNICAL DATA

| Tire Size                | Load Range | Article Number | Tread Depth   32nds | Max Speed   MPH | Static Loaded Radius<br>IN (MM) | Overall Inflated Diameter<br>IN (MM) | Overall Inflated Width<br>IN (MM) | Loaded Section Width<br>IN (MM) | Approved Rim(s) | Minimum Dual Spacing<br>IN (MM) | Revs Per Unit<br>MI (KM) | Tire Weight<br>LB (KG) | Single Max. Load @ Inflation<br>LB, PSI (KG, KPa) | Dual Max. Load @ Inflation<br>LB, PSI (KG, KPa) |
|--------------------------|------------|----------------|---------------------|-----------------|---------------------------------|--------------------------------------|-----------------------------------|---------------------------------|-----------------|---------------------------------|--------------------------|------------------------|---|---|
| 11R22.5                  | H          | 05151600000    | 23                  | 68              | 19.5<br>(495)                   | 41.7<br>(1058)                       | 11.1<br>(281)                     | 12.2<br>(309)                   | 8.25, 7.50      | 12.5<br>(318)                   | 497<br>(309)             | 123<br>(56)            | 6610 / 120<br>(3000 / 830)                        | 6005 / 120<br>(2725 / 830)                      |
| 11R24.5                  | H          | 05151590000    | 23                  | 68              | 20.6<br>(523)                   | 43.8<br>(1113)                       | 11.1<br>(282)                     | 12.2<br>(309)                   | 8.25, 7.50      | 12.5<br>(318)                   | 473<br>(294)             | 131<br>(59)            | 7160 / 120<br>(3250 / 830)                        | 6610 / 120<br>(3000 / 830)                      |
| 315/80R22.5<br>(Tread B) | G          | 05350150000    | 23                  | 68              | 19.9<br>(505)                   | 42.8<br>(1088)                       | 12.5<br>(317)                     | 14.0<br>(356)                   | 9.00, 8.25      | 13.8<br>(351)                   | 484<br>(301)             | 150<br>(68)            | 9090 / 130<br>(4125 / 900)                        | 8270 / 130<br>(3750 / 900)                      |

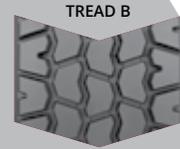
TUBELESS TIRES ON 15 DEGREE DROP CENTER RIMS

Note - Rim listed first is the measuring rim. Minimum Dual Spacing calculated without chains. + - Tread pattern varies (5 rib design) # - 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 rim width. Minimum dual spacing should be adjusted accordingly. 315/80R22.5 tires used on 8.25" rims are restricted to a maximum of 7610 lbs at 120 psi. Continental Tire the Americas, LLC. reserves the right to change product specifications at any time without notice or obligations. Please consult rim manufacturers load and inflation limits. Never exceed rim manufacturers limits without permission of component manufacturer.



# GRABBER OA (WIDE BASE)

CONSTRUCTION SERVICE, ON/OFF HIGHWAY,  
ALL-POSITION WIDE BASE



## FEATURES & BENEFITS

- ▶ Reduced damage from curbing, cuts and abrasions means you can be confident either on or off the highway.
- ▶ Aggressive multi-service, all-position tread pattern provides excellent traction in on/off-road service.
- ▶ Thick under-tread resists casing penetration and damage, allowing for multiple retreads.

## TECHNICAL DATA

| Tire Size                | Load Range | Article Number | Tread Depth   32nds | Max Speed   MPH | Static Loaded Radius<br>IN (MM) | Overall Inflated Diameter<br>IN (MM) | Overall Inflated Width<br>IN (MM) | Loaded Section Width<br>IN (MM) | Approved Rim(s)        | Minimum Dual Spacing<br>IN (MM) | Revs Per Unit<br>MI (KM) | Tire Weight<br>LB (KG) | Single Max. Load @ Inflation<br>LB, PSI (KG, KPa) | Dual Max. Load @ Inflation<br>LB, PSI (KG, KPa) |
|--------------------------|------------|----------------|---------------------|-----------------|---------------------------------|--------------------------------------|-----------------------------------|---------------------------------|------------------------|---------------------------------|--------------------------|------------------------|---|---|
| 385/65R22.5              | L          | 05350140000    | 21                  | 68              | 19.5<br>(495)                   | 42.4<br>(1077)                       | 15.3<br>(389)                     | 16.1<br>(409)                   | 11.75,<br>12.25        | N/A                             | 488<br>(303)             | 162<br>(73)            | 9920 / 130<br>(4500 / 900)                        | N/A   |
| 425/65R22.5              | L          | 05350120000    | 21                  | 68              | 20.2<br>(514)                   | 44.3<br>(1124)                       | 16.6<br>(422)                     | 18.0<br>(457)                   | 12.25,<br>13.00, 14.00 | N/A                             | 468<br>(291)             | 181<br>(82)            | 11,400 / 120<br>(5150 / 830)                      | N/A   |
| 445/65R22.5<br>(Tread B) | L          | 05350130000    | 21                  | 68              | 20.8<br>(528)                   | 45.1<br>(1145)                       | 17.4<br>(441)                     | 18.6<br>(472)                   | 13.00,<br>14.00        | N/A                             | 459<br>(285)             | 198<br>(90)            | 12,800 / 130<br>(5800 / 900)                      | N/A   |

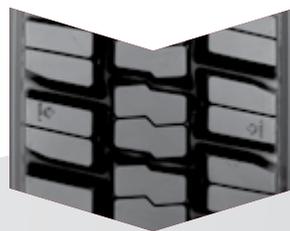
TUBELESS TIRES ON 15 DEGREE DROP CENTER RIMS

Note - Rim listed first is the measuring rim. Minimum Dual Spacing calculated without chains. + - Tread pattern varies (5 rib design) # - 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 rim width. Minimum dual spacing should be adjusted accordingly. 315/80R22.5 tires used on 8.25" rims are restricted to a maximum of 7610 lbs at 120 psi. Continental Tire the Americas, LLC. reserves the right to change product specifications at any time without notice or obligations. Please consult rim manufacturers load and inflation limits. Never exceed rim manufacturers limits without permission of component manufacturer.



# GRABBER OD

CONSTRUCTION SERVICE, ON/OFF HIGHWAY,  
DRIVE POSITION



## FEATURES & BENEFITS

- ▶ Deep, self-cleaning tread pattern with cut-resistant compound for long wear and extended mileage.
- ▶ Excellent traction in all weather conditions, both on and off-road.
- ▶ Sidewall profile resists curb damage, while groove technology reduces stone retention and drilling.

## TECHNICAL DATA

| Tire Size | Load Range | Article Number | Tread Depth   32nds | Max Speed   MPH | Static Loaded Radius<br>IN (MM) | Overall Inflated Diameter<br>IN (MM) | Overall Inflated Width<br>IN (MM) | Loaded Section Width<br>IN (MM) | Approved Rim(s) | Minimum Dual Spacing<br>IN (MM) | Revs Per Unit<br>MI (KM) | Tire Weight<br>LB (KG) | Single Max. Load @ Inflation<br>LB, PSI (KG, kPa) | Dual Max. Load @ Inflation<br>LB, PSI (KG, kPa) |
|-----------|------------|----------------|---------------------|-----------------|---------------------------------|--------------------------------------|-----------------------------------|---------------------------------|-----------------|---------------------------------|--------------------------|------------------------|---|---|
| 11R22.5*  | H          | 05250330000    | 30                  | 68              | 19.6<br>(498)                   | 42.3<br>(1074)                       | 11.1<br>(282)                     | 12.2<br>(310)                   | 8.25, 7.50      | 12.5<br>(318)                   | 489<br>(304)             | 128<br>(58)            | 6610 / 120<br>(3000 / 830)                        | 6005 / 120<br>(2725 / 830)                      |
| 11R24.5   | H          | 05250340000    | 30                  | 68              | 20.6<br>(524)                   | 44.2<br>(1123)                       | 11.1<br>(281)                     | 12.2<br>(310)                   | 8.25, 7.50      | 12.5<br>(318)                   | 468<br>(291)             | 137<br>(62)            | 7160 / 120<br>(3250 / 830)                        | 6610 / 120<br>(3000 / 830)                      |

TUBELESS TIRES ON 15 DEGREE DROP CENTER RIMS

Note - Rim listed first is the measuring rim. Minimum Dual Spacing calculated without chains. \* - ECE Certified # - 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 rim width. Minimum dual spacing should be adjusted accordingly. Continental Tire the Americas, LLC. reserves the right to change product specifications at any time without notice or obligations. Please consult rim manufacturers load and inflation limits. Never exceed rim manufacturers limits without permission of component manufacturer.

# GENERAL INFORMATION

## IN THIS SECTION

LOAD TABLES/CHARTS

SAFETY WARNINGS

# LOAD RANGE DESIGNATION & PLY RATING

## EQUIVALENCY TABLE

| LOAD RANGE | A | B | C | D | E  | F  | G  | H  | J  | L  | M  | N  |
|------------|---|---|---|---|----|----|----|----|----|----|----|----|
| PLY RATING | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |

# LOAD INFLATION TABLES

## TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES

| CONVENTIONAL SIZES ON 15 DEGREE DROP –CENTER RIMS – RADIAL PLY |         |     |      |      |      |      |      |      |      |          |      |      |          |     |     |
|--|---------|-----|------|------|------|------|------|------|------|----------|------|------|----------|-----|-----|
| Standard   |         | kPa | 480  | 520  | 550  | 590  | 620  | 660  | 690  | 720      | 760  | 790  | 830      | 860 | 900 |
|  |         | psi | 70   | 75   | 80   | 85   | 90   | 95   | 100  | 105      | 110  | 115  | 120      | 125 | 130 |
| 11R22.5  | Dual*   | kg  | 1990 | 2080 | 2160 | 2250 | 2360 | 2460 | 2560 | 2650 (G) | 2680 | 2710 | 2725 (H) | -   | -   |
|  |         | lbs | 4380 | 4580 | 4760 | 4950 | 5205 | 5415 | 5625 | 5840 (G) | 5895 | 5950 | 6005 (H) | -   | -   |
|  | Single* | kg  | 2050 | 2160 | 2260 | 2370 | 2500 | 2600 | 2700 | 2800 (G) | 2870 | 2940 | 3000 (H) | -   | -   |
|  |         | lbs | 4530 | 4770 | 4990 | 5220 | 5510 | 5730 | 5950 | 6175 (G) | 6320 | 6465 | 6610 (H) | -   | -   |
| 11R24.5  | Dual*   | kg  | 2110 | 2210 | 2300 | 2390 | 2500 | 2580 | 2660 | 2725 (G) | 2820 | 2910 | 3000 (H) | -   | -   |
|  |         | lbs | 4660 | 4870 | 5070 | 5260 | 5510 | 5675 | 5840 | 6005 (G) | 6205 | 6405 | 6610 (H) | -   | -   |
|  | Single* | kg  | 2190 | 2300 | 2410 | 2520 | 2650 | 2770 | 2890 | 3000 (G) | 3080 | 3160 | 3250 (H) | -   | -   |
|  |         | lbs | 4820 | 5070 | 5310 | 5550 | 5840 | 6095 | 6350 | 6610 (G) | 6790 | 6970 | 7160 (H) | -   | -   |

| METRIC & WIDE BASE SIZES ON 15 DEGREE DROP –CENTER RIMS – RADIAL PLY |         |     |      |      |      |      |      |       |       |       |          |       |           |      |          |
|--|---------|-----|------|------|------|------|------|-------|-------|-------|----------|-------|-----------|------|----------|
| Metric   |         | kPa | 480  | 520  | 550  | 590  | 620  | 660   | 690   | 720   | 760      | 790   | 830       | 860  | 900      |
|  |         | psi | 70   | 75   | 80   | 85   | 90   | 95    | 100   | 105   | 110      | 115   | 120       | 125  | 130      |
| 255/70R22.5  | Dual*   | kg  | -    | -    | 1800 | 1860 | 1940 | 2000  | 2020  | 2090  | 2120     | 2230  | 2300 (H)  | -    | -        |
|  |         | lbs | -    | -    | 3970 | 4110 | 4275 | 4410  | 4455  | 4610  | 4675     | 4915  | 5070 (H)  | -    | -        |
|  | Single* | kg  | -    | -    | 1900 | 1980 | 2060 | 2120  | 2220  | 2300  | 2360     | 2450  | 2500 (H)  | -    | -        |
|  |         | lbs | -    | -    | 4190 | 4370 | 4550 | 4675  | 4895  | 5065  | 5205     | 5400  | 5510 (H)  | -    | -        |
| 295/75R22.5  | Dual*   | kg  | 1860 | 1950 | 2060 | 2130 | 2220 | 2300  | 2390  | 2470  | 2575 (G) | 2630  | 2725 (H)  | -    | -        |
|  |         | lbs | 4095 | 4300 | 4540 | 4690 | 4885 | 5070  | 5260  | 5440  | 5675 (G) | 5795  | 6005 (H)  | -    | -        |
|  | Single* | kg  | 2040 | 2140 | 2240 | 2340 | 2440 | 2500  | 2620  | 2710  | 2800 (G) | 2890  | 3000 (H)  | -    | -        |
|  |         | lbs | 4500 | 4725 | 4940 | 5155 | 5370 | 5510  | 5780  | 5980  | 6175 (G) | 6370  | 6610 (H)  | -    | -        |
| 315/80R22.5  | Dual*   | kg  | -    | -    | 2575 | 2650 | 2750 | 2900  | 2970  | 3070  | 3150     | 3270  | 3450      | 3600 | 3750 (L) |
|  |         | lbs | -    | -    | 5675 | 5840 | 6070 | 6395  | 6545  | 6770  | 6940     | 7210  | 7610      | 7940 | 8270 (L) |
|  | Single* | kg  | -    | -    | 2800 | 2910 | 3030 | 3150  | 3260  | 3370  | 3450     | 3590  | 3750      | 3960 | 4125 (L) |
|  |         | lbs | -    | -    | 6175 | 6415 | 6670 | 6940  | 7190  | 7440  | 7610     | 7920  | 8270      | 8600 | 9090 (L) |
| 385/65R22.5  | Dual*   | kg  | -    | -    | -    | -    | -    | -     | -     | -     | -        | -     | -         | -    | -        |
|  |         | lbs | -    | -    | -    | -    | -    | -     | -     | -     | -        | -     | -         | -    | -        |
|  | Single* | kg  | 2880 | 3060 | 3150 | 3350 | 3470 | 3650  | 3740  | 3850  | 4000     | 4100  | 4250      | 4360 | 4500 (L) |
|  |         | lbs | 6380 | 6720 | 6940 | 7350 | 7650 | 8050  | 8230  | 8510  | 8820     | 9050  | 9370      | 9610 | 9920 (L) |
| 425/65R22.5  | Dual*   | kg  | -    | -    | -    | -    | -    | -     | -     | -     | -        | -     | -         | -    | -        |
|  |         | lbs | -    | -    | -    | -    | -    | -     | -     | -     | -        | -     | -         | -    | -        |
|  | Single* | kg  | 3430 | 3640 | 3750 | 3980 | 4130 | 4250  | 4440  | 4580  | 4750     | 4880  | 5150 (L)  | -    | -        |
|  |         | lbs | 7590 | 7990 | 8270 | 8740 | 9100 | 9370  | 9790  | 10100 | 10500    | 10700 | 11400 (L) | -    | -        |
| 445/65R22.5  | Dual*   | kg  | -    | -    | -    | -    | -    | -     | -     | -     | -        | -     | -         | -    | -        |
|  |         | lbs | -    | -    | -    | -    | -    | -     | -     | -     | -        | -     | -         | -    | -        |
|  | Single* | kg  | 3720 | 3950 | 4125 | 4320 | 4470 | 4625  | 4820  | 4960  | 5150     | 5290  | 5800 (L)  | -    | -        |
|  |         | lbs | 8230 | 8660 | 9090 | 9480 | 9870 | 10200 | 10600 | 11000 | 11400    | 11700 | 12800 (L) | -    | -        |
| 285/75R24.5  | Dual*   | kg  | 1870 | 1970 | 2060 | 2150 | 2240 | 2360  | 2410  | 2490  | 2575 (G) | 2660  | 2800 (H)  | -    | -        |
|  |         | lbs | 4135 | 4340 | 4540 | 4740 | 4930 | 5205  | 5310  | 5495  | 5675 (G) | 5860  | 6175 (H)  | -    | -        |
|  | Single* | kg  | 2060 | 2160 | 2240 | 2360 | 2460 | 2575  | 2650  | 2740  | 2800 (G) | 2920  | 3075 (H)  | -    | -        |
|  |         | lbs | 4545 | 4770 | 4940 | 5210 | 5420 | 5675  | 5835  | 6040  | 6175 (G) | 6440  | 6780 (H)  | -    | -        |

\*Based on TRA | **Note:** Letters in bold parentheses ( ) denote load range for which boldface loads are maximum. Always use approved tire and rim combinations for diameters and contours. All values are for 65 mph unless otherwise noted. For tire load and inflation at various speeds see next page.

# LOAD LIMITS AT VARIOUS SPEEDS

## FOR RADIAL PLY TRUCK TIRES USED ON IMPROVED SURFACES

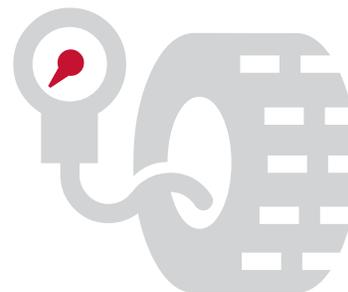
The service load and minimum (cold) inflation must comply with the following limitations unless a speed restriction is indicated on the tire or the manufacturer rates the tire at 75 mph or above.

| CONVENTIONAL TIRES – RADIAL PLY |                                 |                 |
|---------------------------------|---------------------------------|-----------------|
| SPEED RANGE (MPH)               | INFLATION PRESSURE CHANGE (PSI) | LOAD CHANGE (%) |
| 71 - 75                         | +5                              | -12             |
| 66 - 70                         | +5                              | -4              |
| 51 - 65                         | NO INCREASE                     | 0               |
| 41 - 50                         | NO INCREASE                     | +9              |
| 31 - 40                         | NO INCREASE                     | +16             |
| 21 - 30                         | +10                             | +24             |
| 11 - 20                         | +15                             | +32             |
| 6 - 10 <sup>(1)</sup>           | +30                             | +60             |
| 2.6 - 5 <sup>(1)</sup>          | +30                             | +85             |
| CREEP - 2.5 <sup>(1)</sup>      | +30                             | +115            |
| CREEP <sup>(1)(2)</sup>         | +40                             | +140            |
| STATIONARY <sup>(1)</sup>       | +40                             | +185            |

| METRIC & WIDE BASE TIRES – RADIAL PLY |                                 |                 |
|---------------------------------------|---------------------------------|-----------------|
| SPEED RANGE (MPH)                     | INFLATION PRESSURE CHANGE (PSI) | LOAD CHANGE (%) |
| 71 - 75                               | +5                              | -12             |
| 66 - 70                               | +5                              | -4              |
| 51 - 65                               | NO INCREASE                     | 0               |
| 41 - 50                               | NO INCREASE                     | +7              |
| 31 - 40                               | NO INCREASE                     | +9              |
| 21 - 30                               | +10                             | +12             |
| 11 - 20                               | +15                             | +17             |
| 6 - 10                                | +20                             | +25             |
| 2.6 - 5                               | +20                             | +45             |
| CREEP - 2.5                           | +20                             | +55             |
| CREEP <sup>(2)</sup>                  | +30                             | +75             |
| STATIONARY                            | +30                             | +105            |

\*Creep is defined as motion rated less than 200 feet in a 30 minute period.

The information in this table is based on Tire and Rim Association (TRA) standard. **Note:** These tables apply to tires only. Consult rim/wheel manufacturer for rim/wheel load and inflation capacities. **THE MAXIMUM LOAD AND INFLATION CAPACITY OF THE RIM MUST NOT BE EXCEEDED.**



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

**Note:** The inflation pressures shown are the minimum cold pressures for the various loads listed. Higher pressures should be used as follows:

- When required by the above speed/load table.
- When higher pressures are desirable to obtain improved operating performance.

For speeds above 20 mph, the combined increases of A and B should not exceed 20 psi above the inflation specified for the maximum load of the tire.

(2) Load limits at various speed for:

- Tires used in highway service at Restricted Speed.
- Mining and Logging Tires used in Intermittent Highway Service.

## MATCH TIRE FOR SPEED AND AXLE WEIGHTS

In a tire selection process, it is mandatory that consideration be given to selecting a tire size and load range which at least equals the maximum load requirements by axle position (steer, drive or trail). All highway truck tires have load limits established for tires used in normal highway service. Therefore, when selecting a tire for service, both the carrying capacity and speed implications must be considered.

# SAFETY WARNINGS

Always follow tire manufacturer's instructions. Check inflation pressure frequently with gauge.

SERIOUS **INJURY, DEATH**  
OR PROPERTY **DAMAGE**  
MAY RESULT FROM:

- » Explosion of tire/rim assembly due to improper mounting.
- » Tire failure due to misapplication, improper inflation or improper loading.

## TIRE DEMOUNTING AND MOUNTING SAFETY PRECAUTIONS



Serious injury or death may result from explosion of tire/rim assembly due to improper mounting. Use safety cage and cup or extension air hose. Only specially trained persons should mount tires.

Tire and wheel servicing can be dangerous, and should be done by trained personnel using proper tools and procedures. Follow the procedures and safety precautions in the RMA's "Demounting and Mounting Procedures for Trucks/Bus Tires" and "Inspection procedures for identification of potential zipper ruptures in steel cord radial medium and light truck tires" charts and service bulletins.

Failure to comply with these procedures may result in faulty positioning of the tire and/or rim parts, and cause the assembly to burst with explosive force, sufficient to cause serious physical injury or death. Never mount or use damaged tires or rims.

## MISAPPLICATION/IMPROPER INFLATION OVERLOADING

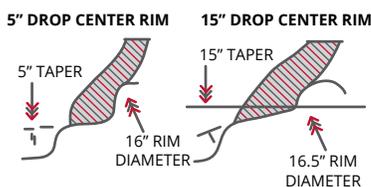
There is a danger of serious injury or death if a tire of one bead diameter is installed on a rim or wheel of a different rim diameter.

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

ALWAYS replace a tire with another tire of exactly the same bead diameter designation and suffix letters. For example: A 16" tire goes on a 16" rim. NEVER mount a 16" tire on a 16.1" or 16.5" rim. A 16.1" tire goes on a 16.1" rim. NEVER mount a 16.1" tire on a 16" or 16.5" rim. A 16.5" tire goes on a 16.5" rim. NEVER mount a 16.5" tire on a 16" or 16.1" rim.

While it is possible to pass a 16" diameter tire over the lip or flange of a 16.1" or 16.5" size diameter rim, it cannot be inflated enough to position itself against the rim flange. If an attempt is made to seat the tire bead by inflating, the tire bead will break with explosive force and could cause serious injury or death.

*Rims of different diameters and tapers cannot be interchanged. The following diagram illustrates the difference between rims of two different tapers and diameters.*



*The following diagram shows how beads of a 16" tire will not seat on a 16.5" rim. The beads cannot be forced out against the rim flanges by using more air pressure because this will break the beads and the tire will explode with force sufficient to cause serious injury or death.*



*Never assemble a tire and rim unless you have positively identified and correctly matched the parts.*

## NEVER INFLATE BEYOND 40 POUNDS PRESSURE TO SEAT BEADS. NEVER STAND, LEAN OR REACH OVER THE ASSEMBLY DURING INFLATION.

Inspect both sides of the tire to be sure that the beads are evenly seated. If tire is mounted on a machine that does not have a positive lock-down device to hold the wheel, inflation should be done on a safety cage. If both beads are not properly seated when pressure reaches 40 pounds, completely deflate the assembly, reposition the tire and/or tube on the rim, relubricate and reinflate. Inflating beyond 40 pounds air pressure when trying to seat the beads is a DANGEROUS PRACTICE that may break a tire bead (or even the rim) with explosive force, possibly resulting in serious injury or death. After the beads are fully seated, pressure may be increased above 40 psi to operating pressure, not to exceed the maximum labeled on the tire sidewall.

Permanent tire damage due to underinflation and/or overloading cannot always be detected. Any tire known or suspected to have been run at 80% or less of normal operating inflation pressure and/or overloaded, could possibly have permanent structural damage (steel cord fatigue). Ply cords weakened by underinflation and/or overloading may break one after another, until a rupture occurs in the upper sidewall with accompanying instantaneous air loss and explosive force. This can result in serious injury or death.

Any tire suspected of having been operated underinflated and/or overloaded must be approached with caution. Completely deflate the tire by removing the valve core before removing the tire rim/wheel assembly from the vehicle. After removing from the vehicle, clearly identify the tire so it will not be reinflated until carefully inspected by a trained technician to determine the cause of underinflation, as well as any tire damage resulting from under inflation and/or overloading.

The use of a flammable material during tire servicing is absolutely prohibited. Use of starting fluid other, gasoline, or any other flammable material to lubricate, seal or seat the beads of a tubeless tire can cause the tire to explode or can cause the explosive separation of the tire/trim assembly resulting in serious injury or death. This practice may also result in undetected damage to the tire or rim that could result in failure of the tire service.

The air pressure contained in a tire is dangerous. The sudden release of this pressure by a tire blow-out or side ring separation can cause serious injury or death. Stay out of the trajectory as indicated by shaded area. When installing the tire/rim assembly on the vehicle, it will be impossible to stay out of the trajectory; however, at all other times you and all others must stay out of the trajectory.

When mounting dual disc wheels on a vehicle, be sure to carefully check and retighten or retorque inner cap nuts before mounting the outer wheel, in demounting the outer wheel, there is a possibility that the inner cap nuts may have been loosened accidentally.

NEVER rework, weld, nest, or braze the tire/wheel/trim. Heating the rim of tire/wheel/rim assembly can cause a tire to explode, causing serious injury or death.

NEVER hammer, strike or pry on any type of tire/rim assembly while the tire contains inflation pressure. Do not attempt to seat any part while the tire contains any inflation pressure. This could result in serious injury or death.

Excessive speed in a free-running, unloaded tire can cause it to "explode" from extreme centrifugal force.

## REGROOVING

Continental, General Tire, AmeriSteel, and Euzkadi brand truck tires that have "REGROOVABLE" molded on the sidewall may be regrooved. After regrooving, it is required that 3/32" of under tread remains to cover the top ply. It is the responsibility of the regroover to assure that all Federal Regulations are met. For further clarification, see Code of Federal Regulations: Title 49, Transportation: Parts 569 and 393.75.

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