VOLUME 10
ISSUE 2

# OTR TIRES

TITAN


**TITAN HK 458** (LEFT)
A new, deep-tread, directional, pattern designed to provide greater traction for the most extreme wheel loader conditions

**TITAN SM 150** (RIGHT)
Deep tread, solid center and large contact area provide damage resistance and long tread life

VOLUME 10
ISSUE 2

# OTR TIRES

TITAN

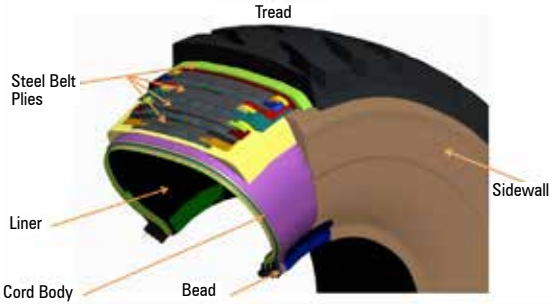
## CONTENTS



# TIRE CONSTRUCTION: RADIAL & BIAS

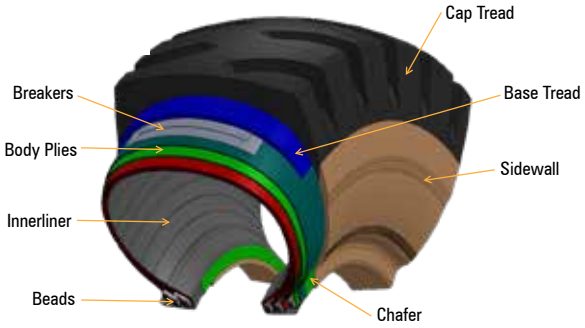
## Radial Ply

Radial ply tires have a casing that consist of steel or nylon cords that run primarily in the radial direction (perpendicular to the tread centerline). They have belts that transfer the load from the casing to the tread and form the footprint.



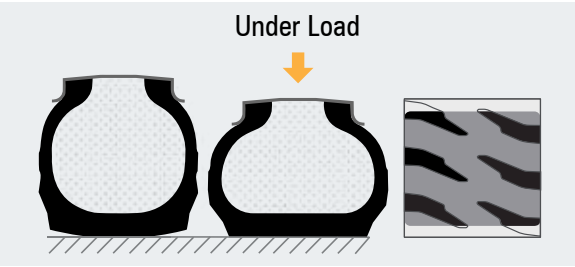

## Bias Ply

Bias ply tires have a casing consisting of multiple plies of nylon cords that run at an angle from bead to bead (angled across the tread centerline). They can have breakers that act as protection under the tread.



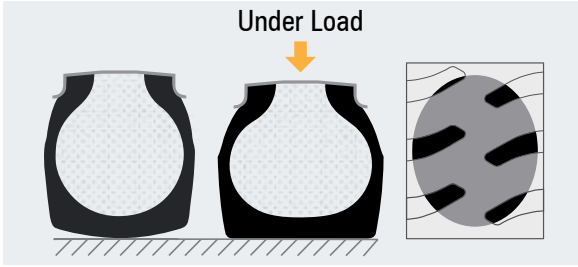

# Footprint Profiles

## Radial Footprint




- Radial tire treads and sidewalls work **independently** allowing the footprint to lengthen and widen. Lugs remain stable through the footprint reducing the chance of rutting and minimizing soil compaction.
- Larger area of contact will contribute to less ground bearing pressure.

## Bias Footprint




- Bias tire treads and sidewalls work **as one** causing lugs to move and squirm.
- Small area of contact will contribute to higher ground bearing pressure.

# Advantages Comparison

## Radial vs Bias

| Advantages | Tire Design | |
|---|---|---|
| | Radial | Bias |
| Vehicle Steadiness (Stability) | ☐ | ☑ |
| Cut Resistance (Sidewall) | ☐ | ☑ |
| Ride (Comfort) | ☑ | ☐ |
| Traction | ☑ | ☐ |
| Wear (Service Life) | ☑ | ☐ |
| Self-Cleaning (Tread) | ☐ | ☑ |
| Puncture Resistance (Tread) | ☑ | ☐ |
| Repairability | ☐ | ☑ |
| Higher Speeds | ☑ | ☐ |
| Longer Distances | ☑ | ☐ |
| Belt Types: Nylon, Aralon®*, or Steel Belts | ☐ | ☑ |
| Belt Types: Polyester, Aramid, or Steel Belts | ☑ | ☐ |

*Aralon® is not a registered trademark of Titan International, Inc.

# COMPOUND/CONSTRUCTION OF OTR TIRES

| Radial | |
|---|---|
| Compound Designations | |
| Ultra Heat Resistant | S |
| Heat Resistant | H |
| Wear Resistant (Standard) | W |
| Cut Resistant | C |
| Underground Mining | UGM |

| Bias | |
|---|---|
| Compound Designations | |
| Cut/Chip Resistant | VE-420 |
| Wear Resistant on concrete/asphalt | VE-610 |
| Underground Mining | UGM |

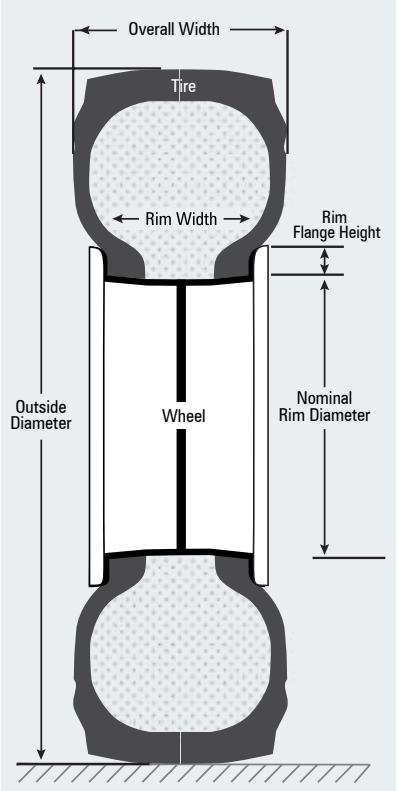
| Construction Description on Siped Tread Designs | |
|---|---|
| Siped Tread | D, E, G, R, V |
| Sipeless Tread | 2, 4, 5, 7 |
| Poly Belted | Polyester Belt Package |
| Steel Belted | Steel Belt Package |

| Construction Description | |
|---|---|
| Aralon®* Cut Resistant Breakers | CRB |
| Steel Cushion Armor Breakers | CAB |
| 7x7 Steel Belted Breakers | 7x7 Belted |
| Heavy Duty (additional Steel Breakers) | HD |

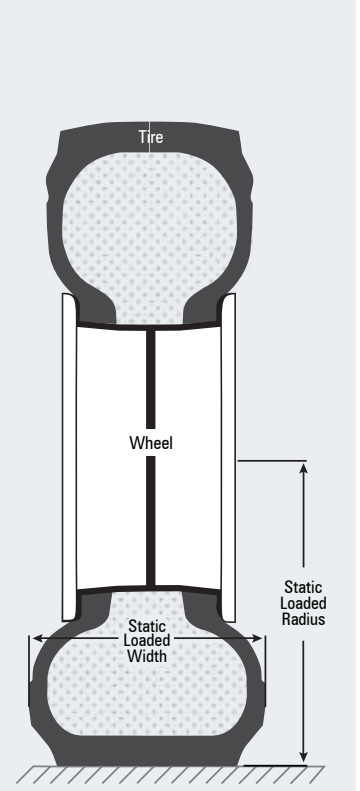
*Aralon® is not a registered trademark of Titan International, Inc.

# DIMENSION DEFINITIONS

## Inflated Dimensions



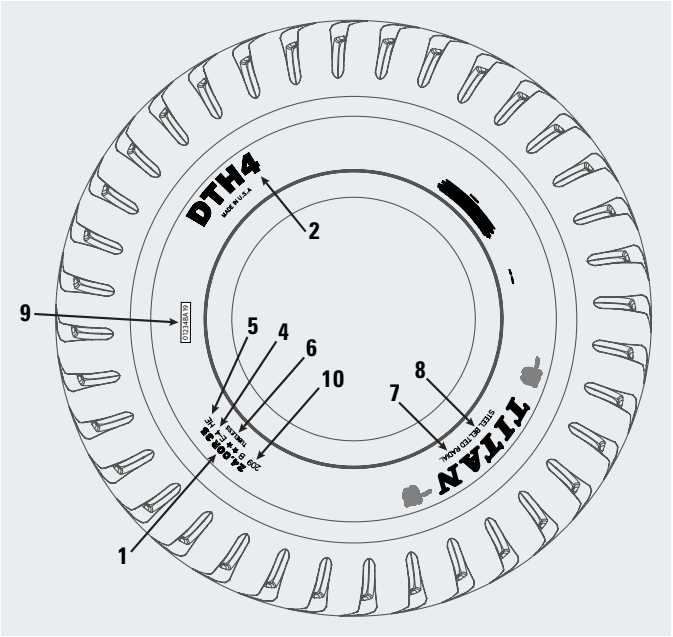

## Loaded Dimensions




| Definitions | |
|---|---|
| Outside Diameter | Overall outside diameter of tire inflated to rated pressure. Dimension is with no load applied to tire. |
| Overall Width | Overall outside width of tire inflated to rated pressure. Dimension is with no load applied to tire. |
| Rim Width | Approved rim width |
| Rim Flange Height | Approved flange height |
| Static Loaded Width | Overall outside width of tire at rated load and inflated to rated pressure. Also known as Bulge Width |
| Static Loaded Radius | Distance from ground to center of the axle at rated load and inflated to rated pressure. |
| Flat Plate Area | Gross footprint area at rated load and rated pressure. |

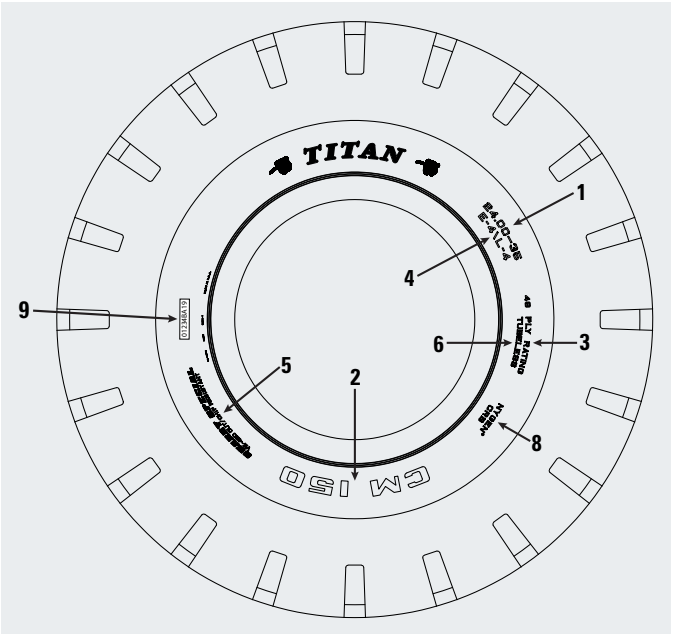
# SIDEWALL INFORMATION: RADIAL & BIAS

## Radial Tires




| Radial Tires Sidewall Descriptions | | |
|---|---|---|
| 1 | Tire Size | 24.00R35 |
| 2 | Tread Design | DTH4 |
| 3 | Load Rating | -- |
| 4 | Industry Code | E-4 |
| 5 | Compound | HE |
| 6 | Tubeless / Tube Type | Tubeless |
| 7 | Construction | Radial |
| 8 | Belt Construction | Steel Belted |
| 9 | Individual Tire ID | 01234BA19 |
| 10 | Load/Speed Index | 209B |

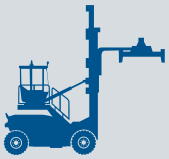
## Bias Tires




| Bias Tires Sidewall Descriptions | | |
|---|---|---|
| 1 | Tire Size | 24.00-35 |
| 2 | Tread Design | CM 150 |
| 3 | Load Rating | 48 Ply Rating |
| 4 | Industry Code | E-4 / L-4 |
| 5 | Compound | Quarry Special VE-420 |
| 6 | Tubeless / Tube Type | Tubeless |
| 7 | Construction | -- |
| 8 | Belt Construction | CRB |
| 9 | Individual Tire ID | 01234BA19 |

# VEHICLE/TRA CODING

## Vehicle Classification with International Coding

| | VEHICLE TYPE | CODE | INTERNATIONAL CLASSIFICATION | TREAD DEPTH |
|---|---|---|---|---|
| **OTR TIRES FOR HAULAGE EQUIPMENT** | | | | |
|  | Rigid-Frame Dump Truck | **E** | **(Earthmover)** | |
| | | E-1 | Rib Regular Tread | 100% |
| | | E-2 | Traction Regular Tread (Directional) | 100% |
| | | E-3 | Regular Tread | 100% |
| | | E-4 | Deep Tread | 150% |
|  | Articulated Dump Truck | E-2 | Traction Regular Tread (Directional) | 100% |
| | | E-3 | Regular Tread | 100% |
|  | Scraper | E-3 | Regular Tread | 100% |
| | | E-4 | Deep Tread | 150% |
| **OTR TIRES FOR OFF-THE-ROAD VEHICLES** | | | | |
|  | Wheel Loader | **L** | **(Loader and Dozer)** | |
| | | L-2 | Traction Regular Tread (Directional) | 100% |
| | | L-3 | Regular Tread | 100% |
| | | L-4 | Deep Tread | 150% |
|  | Dozer | L-5 | Extra Deep Tread | 250% |
| | | L-3S | Smooth Regular Tread | 100% |
| | | L-4S | Smooth Deep Tread | 150% |
| | | L-5S | Smooth Extra Deep Tread | 250% |
| **OTR TIRES FOR GRADERS** | | | | |
|  | Grader | **G** | **(Grader)** | |
| | | G-1 | Rib Regular Tread | 100% |
| | | G-2 | Traction Regular Tread (Directional) | 100% |
| | | G-3 | Regular Tread | 100% |
| | | G-4 | Deep Tread | 150% |
| **OTR TIRES OF INDUSTRIAL VEHICLES** | | | | |
|  | Container Handler | **IND** | **(Industrial Service)** | |
| | | IND-4 | Deep Tread | 150% |
| | | IND-4S | Smooth Deep Tread | 150% |
| | | IND-5 | Extra Deep Tread | 250% |
| | | IND-5S | Smooth Extra Deep Tread | 250% |
|  | Slag Pot Carrier | IND-3 | Regular Tread | 100% |
| | | IND-4 | Deep Tread | 150% |
|  | Reach Stacker | IND-4 | Deep Tread | 150% |
| | | IND-4S | Smooth Deep Tread | 150% |
| | | IND-5 | Extra Deep Tread | 250% |
| | | IND-5S | Smooth Extra Deep Tread | 250% |
| **OTR TIRES FOR COMPACTORS** | | | | |
|  | Compactor | **C** | **(Compactor)** | |
| | | C-1 | Smooth | 100% |
| **OTR TIRES FOR PAVERS** | | | | |
|  | Paver | E-7 | Flotation | 100% |

# INDUSTRY STANDARDS & TIRE SELECTION CHART

| TRA Code | Tread Type | Tread Depth | Titan Line | |
|---|---|---|---|---|
| | | | Radial | Bias |
| **Earthmover Tires** | | | | |
| E-1 | Rib Regular | 100% | -- | -- |
| E-2 | Traction Regular | 100% | TGD2 | -- |
| E-3 | Regular | 100% | 007 MFT, STL2+, STL3, STTR | CM 100, LCM, ND LCM, SL 100, XG-3 |
| E-4 | Deep | 150% | 007 MFT, DTH4 | CM 150, HK 458, ND Super LCM, Super LCM |
| **Loader & Dozer Tires** | | | | |
| L-2 | Traction Regular | 100% | TGD2, TGL2, TGS2 | Loader Dozer II, Lift Rigger, Loader Grader III, Motor Grader HD, Super Grader |
| L-3 | Regular | 100% | MXL, STL2+, STL3, STTR | LCM, MXL, ND LCM, SL 100, Super Rigger |
| L-4 | Deep | 150% | LDR 150 | CH 150, CM 150, HK 458, LD 150, LS 150, ND Super LCM, Super LCM |
| L-5 | Extra Deep | 250% | LDR 250s | LD 250, LD 250 Haf-Trac |
| L-4S | Smooth Deep | 150% | -- | -- |
| L-5S | Smooth Extra Deep | 250% | -- | LD 250 Haf-Trac, LD 250 Super Smooth |
| **Grader Tires** | | | | |
| G-2 | Traction Regular | 100% | TG2, TGL2, TGS2 | Loader Grader III, Motor Grader HD, Super Grader, HD 2000 II |
| G-3 | Regular | 100% | STTR | -- |
| **Industrial Tires** | | | | |
| IND-3 | Regular | 100% | -- | CM 100, ND LCM, SL 100 |
| IND-4 | Deep | 150% | -- | CH 150, CM 150, ND Super LCM, SM 150 |
| IND-5 | Extra Deep | 250% | -- | -- |
| IND-4S | Smooth Deep | 150% | -- | Super Smooth |
| IND-5S | Smooth Extra Deep | 250% | -- | -- |
| **Compactor Tires** | | | | |
| C-1 | Smooth | 100% | -- | Road Roller II |
| **Paver Tires** | | | | |
| E-7 | Flotation | 100% | -- | Super Sand Flotation |

# PRESSURE CONVERSIONS

| PSI | kPa | bar |
|---|---|---|
| 1 | 10 | 0.1 |
| 2 | 15 | 0.15 |
| 3 | 20 | 0.2 |
| 4 | 25 | 0.25 |
| **5** | 35 | 0.35 |
| 6 | 40 | 0.4 |
| 7 | 45 | 0.45 |
| 8 | 55 | 0.55 |
| 9 | 60 | 0.6 |
| **10** | 70 | 0.7 |
| 11 | 75 | 0.75 |
| 12 | 80 | 0.8 |
| 13 | 90 | 0.9 |
| 14 | 95 | 0.95 |
| **15** | 100 | 1 |
| 16 | 110 | 1.1 |
| 17 | 120 | 1.2 |
| 18 | 125 | 1.25 |
| 19 | 130 | 1.3 |
| **20** | 140 | 1.4 |
| 21 | 145 | 1.45 |
| 22 | 150 | 1.5 |
| 23 | 160 | 1.6 |
| 24 | 165 | 1.65 |
| **25** | 170 | 1.7 |
| 26 | 180 | 1.8 |
| 27 | 185 | 1.85 |
| 28 | 190 | 1.9 |
| 29 | 200 | 2 |
| **30** | 210 | 2.1 |
| 31 | 215 | 2.15 |
| 32 | 220 | 2.2 |
| 33 | 230 | 2.3 |
| 34 | 235 | 2.35 |
| **35** | 240 | 2.4 |
| 36 | 250 | 2.5 |
| 37 | 255 | 2.55 |
| 38 | 260 | 2.6 |
| 39 | 270 | 2.7 |
| **40** | 275 | 2.75 |
| 41 | 280 | 2.8 |
| 42 | 290 | 2.9 |
| 43 | 295 | 2.95 |
| 44 | 300 | 3 |
| **45** | 310 | 3.1 |
| 46 | 320 | 3.2 |
| 47 | 325 | 3.25 |
| 48 | 330 | 3.3 |
| 49 | 340 | 3.4 |
| **50** | 345 | 3.45 |
| 51 | 350 | 3.5 |
| 52 | 360 | 3.6 |
| 53 | 365 | 3.65 |
| 54 | 375 | 3.75 |

| PSI | kPa | bar |
|---|---|---|
| **55** | 380 | 3.8 |
| 56 | 385 | 3.85 |
| 57 | 390 | 3.9 |
| 58 | 400 | 4 |
| 59 | 410 | 4.1 |
| **60** | 415 | 4.15 |
| 61 | 420 | 4.2 |
| 62 | 425 | 4.25 |
| 63 | 435 | 4.35 |
| 64 | 440 | 4.4 |
| **65** | 450 | 4.5 |
| 66 | 455 | 4.55 |
| 67 | 460 | 4.6 |
| 68 | 470 | 4.7 |
| 69 | 475 | 4.75 |
| **70** | 480 | 4.8 |
| 71 | 490 | 4.9 |
| 72 | 495 | 4.95 |
| 73 | 500 | 5 |
| 74 | 510 | 5.1 |
| **75** | 520 | 5.2 |
| 76 | 525 | 5.25 |
| 77 | 530 | 5.3 |
| 78 | 540 | 5.4 |
| 79 | 545 | 5.45 |
| **80** | 550 | 5.5 |
| 81 | 560 | 5.6 |
| 82 | 565 | 5.65 |
| 83 | 575 | 5.75 |
| 84 | 580 | 5.8 |
| **85** | 585 | 5.85 |
| 86 | 590 | 5.9 |
| 87 | 600 | 6 |
| 88 | 610 | 6.1 |
| 89 | 615 | 6.15 |
| **90** | 620 | 6.2 |
| 91 | 625 | 6.25 |
| 92 | 635 | 6.35 |
| 93 | 640 | 6.4 |
| 94 | 650 | 6.5 |
| **95** | 655 | 6.55 |
| 96 | 660 | 6.6 |
| 97 | 670 | 6.7 |
| 98 | 675 | 6.75 |
| 99 | 680 | 6.8 |
| **100** | 690 | 6.9 |
| 101 | 695 | 6.95 |
| 102 | 700 | 7 |
| 103 | 710 | 7.1 |
| 104 | 720 | 7.2 |
| **105** | 725 | 7.25 |
| 106 | 730 | 7.3 |
| 107 | 740 | 7.4 |
| 108 | 745 | 7.45 |

| PSI | kPa | bar |
|---|---|---|
| 109 | 750 | 7.5 |
| **110** | 760 | 7.6 |
| 111 | 765 | 7.65 |
| 112 | 775 | 7.75 |
| 113 | 780 | 7.8 |
| 114 | 785 | 7.85 |
| **115** | 790 | 7.9 |
| 116 | 800 | 8 |
| 117 | 810 | 8.1 |
| 118 | 815 | 8.15 |
| 119 | 820 | 8.2 |
| **120** | 825 | 8.25 |
| 121 | 835 | 8.35 |
| 122 | 840 | 8.4 |
| 123 | 850 | 8.5 |
| 124 | 855 | 8.55 |
| **125** | 860 | 8.6 |
| 126 | 870 | 8.7 |
| 127 | 875 | 8.75 |
| 128 | 880 | 8.8 |
| 129 | 890 | 8.9 |
| **130** | 900 | 9 |
| 131 | 905 | 9.05 |
| 132 | 910 | 9.1 |
| 133 | 920 | 9.2 |
| 134 | 925 | 9.25 |
| **135** | 930 | 9.3 |
| 136 | 940 | 9.4 |
| 137 | 945 | 9.45 |
| 138 | 950 | 9.5 |
| 139 | 960 | 9.6 |
| **140** | 965 | 9.65 |
| 141 | 975 | 9.75 |
| 142 | 980 | 9.8 |
| 143 | 985 | 9.85 |
| 144 | 990 | 9.9 |
| 145 | 1,000 | 10 |

| PSI | kPa | bar |
|---|---|---|
| **5** | 35 | 0.35 |
| **10** | 70 | 0.7 |
| **15** | 100 | 1 |
| **20** | 140 | 1.4 |
| **25** | 170 | 1.7 |
| **30** | 210 | 2.1 |
| **35** | 240 | 2.4 |
| **40** | 275 | 2.75 |
| **45** | 310 | 3.1 |
| **50** | 345 | 3.45 |
| **55** | 380 | 3.8 |
| **60** | 415 | 4.15 |
| **65** | 450 | 4.5 |
| **70** | 480 | 4.8 |
| **75** | 520 | 5.2 |
| **80** | 550 | 5.5 |
| **85** | 585 | 5.85 |
| **90** | 620 | 6.2 |
| **95** | 655 | 6.55 |
| **100** | 690 | 6.9 |
| **105** | 725 | 7.25 |
| **110** | 760 | 7.6 |
| **115** | 790 | 7.9 |
| **120** | 825 | 8.25 |
| **125** | 860 | 8.6 |
| **130** | 900 | 9 |
| **135** | 930 | 9.3 |
| **140** | 965 | 9.65 |
| **145** | 1,000 | 10 |

# LOAD INDEX/SPEED SYMBOL

| Index | kg | lbs |
|---|---|---|
| 0 | 45 | 99 |
| 1 | 46.2 | 102 |
| 2 | 47.5 | 105 |
| 3 | 48.7 | 107 |
| 4 | 50 | 110 |
| 5 | 51.5 | 114 |
| 6 | 53 | 117 |
| 7 | 54.5 | 120 |
| 8 | 56 | 123 |
| 9 | 58 | 128 |
| 10 | 60 | 132 |
| 11 | 61.5 | 136 |
| 12 | 63 | 139 |
| 13 | 65 | 143 |
| 14 | 67 | 148 |
| 15 | 69 | 152 |
| 16 | 71 | 157 |
| 17 | 73 | 161 |
| 18 | 75 | 165 |
| 19 | 77.5 | 170 |
| 20 | 80 | 175 |
| 21 | 82.5 | 180 |
| 22 | 85 | 185 |
| 23 | 87.5 | 195 |
| 24 | 90 | 200 |
| 25 | 92.5 | 205 |
| 26 | 95 | 210 |
| 27 | 97.5 | 215 |
| 28 | 100 | 220 |
| 29 | 103 | 225 |
| 30 | 106 | 235 |
| 31 | 109 | 240 |
| 32 | 112 | 245 |
| 33 | 115 | 255 |
| 34 | 118 | 260 |
| 35 | 121 | 265 |
| 36 | 125 | 275 |
| 37 | 128 | 280 |
| 38 | 132 | 290 |
| 39 | 136 | 300 |
| 40 | 140 | 310 |
| 41 | 145 | 320 |

| Index | kg | lbs |
|---|---|---|
| 42 | 150 | 330 |
| 43 | 155 | 340 |
| 44 | 160 | 355 |
| 45 | 165 | 365 |
| 46 | 170 | 375 |
| 47 | 175 | 385 |
| 48 | 180 | 395 |
| 49 | 185 | 410 |
| 50 | 190 | 420 |
| 51 | 195 | 430 |
| 52 | 200 | 440 |
| 53 | 206 | 455 |
| 54 | 212 | 465 |
| 55 | 218 | 480 |
| 56 | 224 | 495 |
| 57 | 230 | 505 |
| 58 | 236 | 520 |
| 59 | 243 | 535 |
| 60 | 250 | 550 |
| 61 | 257 | 565 |
| 62 | 265 | 585 |
| 63 | 272 | 600 |
| 64 | 280 | 615 |
| 65 | 290 | 640 |
| 66 | 300 | 660 |
| 67 | 307 | 675 |
| 68 | 315 | 695 |
| 69 | 325 | 715 |
| 70 | 335 | 740 |
| 71 | 345 | 760 |
| 72 | 355 | 785 |
| 73 | 365 | 805 |
| 74 | 375 | 825 |
| 75 | 387 | 855 |
| 76 | 400 | 880 |
| 77 | 412 | 910 |
| 78 | 425 | 935 |
| 79 | 437 | 965 |
| 80 | 450 | 990 |
| 81 | 462 | 1020 |
| 82 | 475 | 1050 |
| 83 | 487 | 1070 |

| Index | kg | lbs |
|---|---|---|
| 84 | 500 | 1100 |
| 85 | 515 | 1140 |
| 86 | 530 | 1170 |
| 87 | 545 | 1200 |
| 88 | 560 | 1230 |
| 89 | 580 | 1280 |
| 90 | 600 | 1320 |
| 91 | 615 | 1360 |
| 92 | 630 | 1390 |
| 93 | 650 | 1430 |
| 94 | 670 | 1480 |
| 95 | 690 | 1520 |
| 96 | 710 | 1570 |
| 97 | 730 | 1610 |
| 98 | 750 | 1650 |
| 99 | 775 | 1710 |
| 100 | 800 | 1760 |
| 101 | 825 | 1820 |
| 102 | 850 | 1870 |
| 103 | 875 | 1930 |
| 104 | 900 | 1980 |
| 105 | 925 | 2040 |
| 106 | 950 | 2090 |
| 107 | 975 | 2150 |
| 108 | 1000 | 2200 |
| 109 | 1030 | 2270 |
| 110 | 1060 | 2340 |
| 111 | 1090 | 2400 |
| 112 | 1120 | 2470 |
| 113 | 1150 | 2540 |
| 114 | 1180 | 2600 |
| 115 | 1215 | 2680 |
| 116 | 1250 | 2760 |
| 117 | 1285 | 2830 |
| 118 | 1320 | 2910 |
| 119 | 1360 | 3000 |
| 120 | 1400 | 3080 |
| 121 | 1450 | 3200 |
| 122 | 1,500 | 3,300 |
| 123 | 1,550 | 3,420 |
| 124 | 1,600 | 3,520 |
| 125 | 1,650 | 3,640 |

| Index | kg | lbs |
|---|---|---|
| 126 | 1,700 | 3,740 |
| 127 | 1,750 | 3,860 |
| 128 | 1,800 | 3,960 |
| 129 | 1,850 | 4,080 |
| 130 | 1,900 | 4,180 |
| 131 | 1,950 | 4,300 |
| 132 | 2,000 | 4,400 |
| 133 | 2,060 | 4,540 |
| 134 | 2,120 | 4,680 |
| 135 | 2,180 | 4,800 |
| 136 | 2,240 | 4,940 |
| 137 | 2,300 | 5,080 |
| 138 | 2,360 | 5,200 |
| 139 | 2,430 | 5,360 |
| 140 | 2,500 | 5,520 |
| 141 | 2,575 | 5,680 |
| 142 | 2,650 | 5,840 |
| 143 | 2,725 | 6,000 |
| 144 | 2,800 | 6,150 |
| 145 | 2,900 | 6,400 |
| 146 | 3,000 | 6,600 |
| 147 | 3,075 | 6,800 |
| 148 | 3,150 | 6,950 |
| 149 | 3,250 | 7,150 |
| 150 | 3,350 | 7,400 |
| 151 | 3,450 | 7,600 |
| 152 | 3,550 | 7,850 |
| 153 | 3,650 | 8,050 |
| 154 | 3,750 | 8,250 |
| 155 | 3,875 | 8,550 |
| 156 | 4,000 | 8,800 |
| 157 | 4,125 | 9,100 |
| 158 | 4,250 | 9,350 |
| 159 | 4,375 | 9,650 |
| 160 | 4,500 | 9,900 |
| 161 | 4,625 | 10,200 |
| 162 | 4,750 | 10,500 |
| 163 | 4,875 | 10,700 |
| 164 | 5,000 | 11,000 |
| 165 | 5,150 | 11,400 |
| 166 | 5,300 | 11,700 |
| 167 | 5,450 | 12,000 |

| Index | kg | lbs |
|---|---|---|
| 168 | 5,600 | 12,300 |
| 169 | 5,800 | 12,800 |
| 170 | 6,000 | 13,200 |
| 171 | 6,150 | 13,600 |
| 172 | 6,300 | 13,900 |
| 173 | 6,500 | 14,300 |
| 174 | 6,700 | 14,800 |
| 175 | 6,900 | 15,200 |
| 176 | 7,100 | 15,700 |
| 177 | 7,300 | 16,100 |
| 178 | 7,500 | 16,500 |
| 179 | 7,750 | 17,100 |
| 180 | 8,000 | 17,600 |
| 181 | 8,250 | 18,200 |
| 182 | 8,500 | 18,700 |
| 183 | 8,750 | 19,300 |
| 184 | 9,000 | 19,800 |
| 185 | 9,250 | 20,400 |
| 186 | 9,500 | 20,900 |
| 187 | 9,750 | 21,500 |
| 188 | 10,000 | 22,000 |
| 189 | 10,300 | 22,700 |
| 190 | 10,600 | 23,400 |
| 191 | 10,900 | 24,000 |
| 192 | 11,200 | 24,700 |
| 193 | 11,500 | 25,400 |
| 194 | 11,800 | 26,000 |
| 195 | 12,150 | 26,800 |
| 196 | 12,500 | 27,600 |
| 197 | 12,850 | 28,300 |
| 198 | 13,200 | 29,100 |
| 199 | 13,600 | 30,000 |
| 200 | 14,000 | 30,900 |
| 201 | 14,500 | 32,000 |
| 202 | 15,000 | 33,100 |
| 203 | 15,500 | 34,200 |
| 204 | 16,000 | 35,300 |
| 205 | 16,500 | 36,400 |
| 206 | 17,000 | 37,500 |
| 207 | 17,500 | 38,600 |
| 208 | 18,000 | 39,700 |
| 209 | 18,500 | 40,800 |
| 210 | 19,000 | 41,900 |
| 211 | 19,500 | 43,000 |
| 212 | 20,000 | 44,100 |
| 213 | 20,600 | 45,400 |

| Index | kg | lbs |
|---|---|---|
| 214 | 21,200 | 46,700 |
| 215 | 21,800 | 48,100 |
| 216 | 22,400 | 49,400 |
| 217 | 23,000 | 50,700 |
| 218 | 23,600 | 52,000 |
| 219 | 24,300 | 53,600 |
| 220 | 25,000 | 55,100 |
| 221 | 25,750 | 56,800 |
| 222 | 26,500 | 58,400 |
| 223 | 27,250 | 60,000 |
| 224 | 28,000 | 61,500 |
| 225 | 29,000 | 64,000 |
| 226 | 30,000 | 66,000 |
| 227 | 30,750 | 68,000 |
| 228 | 31,500 | 69,500 |
| 229 | 32,500 | 71,500 |
| 230 | 33,500 | 74,000 |
| 231 | 34,500 | 76,000 |
| 232 | 35,500 | 78,500 |
| 233 | 36,500 | 80,500 |
| 234 | 37,500 | 82,500 |
| 235 | 38,750 | 85,500 |
| 236 | 40,000 | 88,000 |
| 237 | 41,250 | 91,000 |
| 238 | 42,500 | 93,500 |
| 239 | 43,750 | 96,500 |
| 240 | 45,000 | 99,000 |
| 241 | 46,250 | 102,000 |
| 242 | 47,500 | 104,500 |
| 243 | 48,750 | 107,500 |
| 244 | 50,000 | 110,000 |
| 245 | 51,500 | 113,500 |
| 246 | 53,000 | 117,000 |
| 247 | 54,500 | 120,000 |
| 248 | 56,000 | 123,500 |
| 249 | 58,000 | 128,000 |
| 250 | 60,000 | 132,500 |
| 251 | 61,500 | 135,500 |
| 252 | 63,000 | 139,000 |
| 253 | 65,000 | 143,500 |
| 254 | 67,000 | 147,500 |
| 255 | 69,000 | 152,000 |
| 256 | 71,000 | 156,500 |
| 257 | 73,000 | 161,000 |
| 258 | 75,000 | 165,500 |
| 259 | 77,500 | 171,000 |

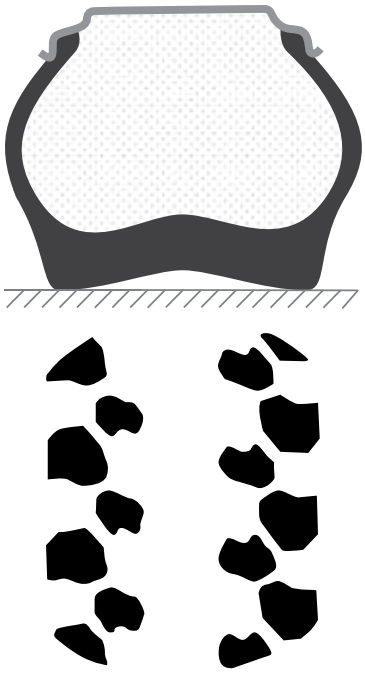
| Index | kg | lbs |
|---|---|---|
| 260 | 80,000 | 176,500 |
| 261 | 82,500 | 182,000 |
| 262 | 85,000 | 187,500 |
| 263 | 87,500 | 193,000 |
| 264 | 90,000 | 198,500 |
| 265 | 92,500 | 204,000 |
| 266 | 95,000 | 209,500 |
| 267 | 97,500 | 215,000 |
| 268 | 100,000 | 220,500 |
| 269 | 103,000 | 227,000 |
| 270 | 106,000 | 233,500 |
| 271 | 109,000 | 240,500 |
| 272 | 112,000 | 247,000 |
| 273 | 115,000 | 253,500 |
| 274 | 118,000 | 260,000 |
| 275 | 121,000 | 267,000 |
| 276 | 125,000 | 275,500 |
| 277 | 128,500 | 283,500 |
| 278 | 132,000 | 291,000 |
| 279 | 136,000 | 300,000 |
| 280 | 140,000 | 308,500 |
| 281 | 145,000 | 319,500 |
| 282 | 150,000 | 330,500 |
| 283 | 155,000 | 341,500 |
| 284 | 160,000 | 352,500 |
| 285 | 165,000 | 364,000 |
| 286 | 170,000 | 375,000 |
| 287 | 175,000 | 386,000 |
| 288 | 180,000 | 397,000 |
| 289 | 185,000 | 408,000 |
| 290 | 190,000 | 419,000 |
| 291 | 195,000 | 430,000 |
| 292 | 200,000 | 441,000 |
| 293 | 206,000 | 454,000 |
| 294 | 212,000 | 467,500 |
| 295 | 218,000 | 480,500 |
| 296 | 224,000 | 494,000 |
| 297 | 230,000 | 507,000 |
| 298 | 236,000 | 520,500 |
| 299 | 243,000 | 535,500 |
| 300 | 250,000 | 551,000 |
| 301 | 257,500 | 567,500 |
| 302 | 265,000 | 584,000 |
| 303 | 272,500 | 600,500 |

| Speed Symbol | | |
|---|---|---|
| Symbol | km/h | mph |
| A1 | 5 | 2.5 |
| A2 | 10 | 5 |
| A3 | 15 | 10 |
| A4 | 20 | 12.5 |
| A5 | 25 | 15 |
| A6 | 30 | 20 |
| A7 | 35 | 22.5 |
| A8 | 40 | 25 |
| B | 50 | 30 |
| C | 60 | 35 |
| D | 65 | 40 |
| E | 70 | 43 |
| F | 80 | 50 |
| G | 90 | 55 |
| J | 100 | 62 |
| K | 110 | 68 |
| L | 120 | 75 |
| M | 130 | 81 |
| N | 140 | 87 |
| P | 150 | 93 |
| Q | 160 | 99 |
| R | 170 | 106 |
| S | 180 | 112 |
| T | 190 | 118 |
| U | 200 | 124 |
| H | 210 | 130 |
| V | 240 | 149 |
| W | 270 | 168 |
| Y | 300 | 186 |

# TIRE INFLATION GUIDE

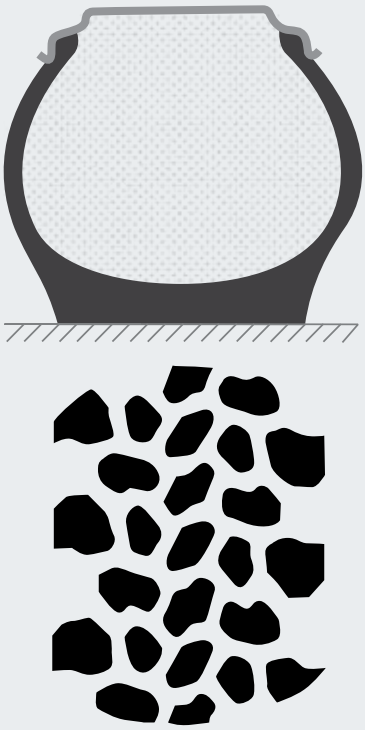
## Under Inflation

- Insufficient air pressure
- Poor traction, rapid shoulder wear and decreased casing durability



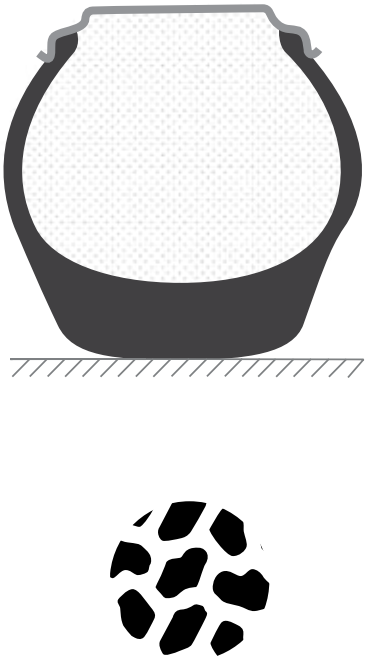
## Proper Inflation

- Correct air pressure
- Good traction and wear



## Over Inflation

- Excessive air pressure
- Poor traction and rapid wear



*See page 157 in the Tire Maintenance section for more information.

# OTR PRODUCT APPLICATION GUIDES

## Radial OTR Tire Applications: Earthmover Equipment

TGD2

STL2+

STL3

007 MFT

DTH4

Traction

Protection

Heat Resistance

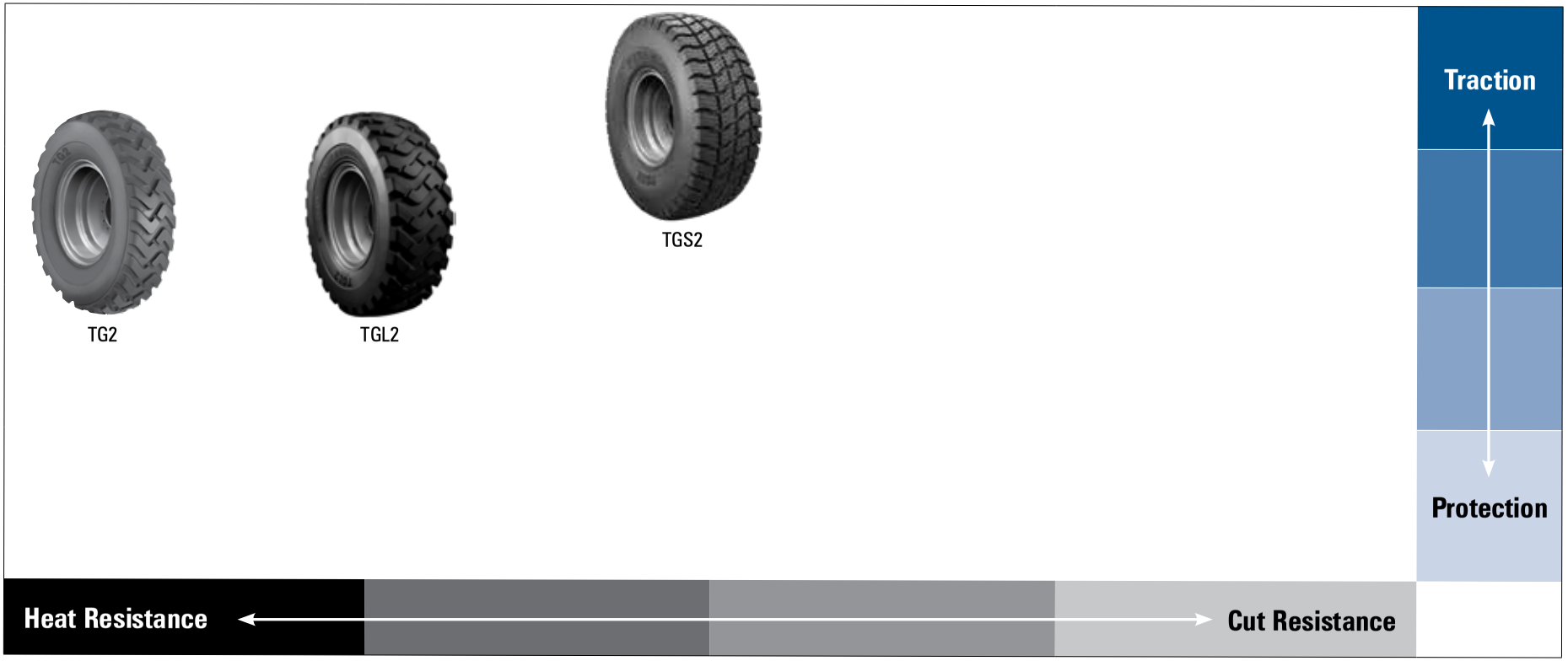
Cut Resistance

Notes:



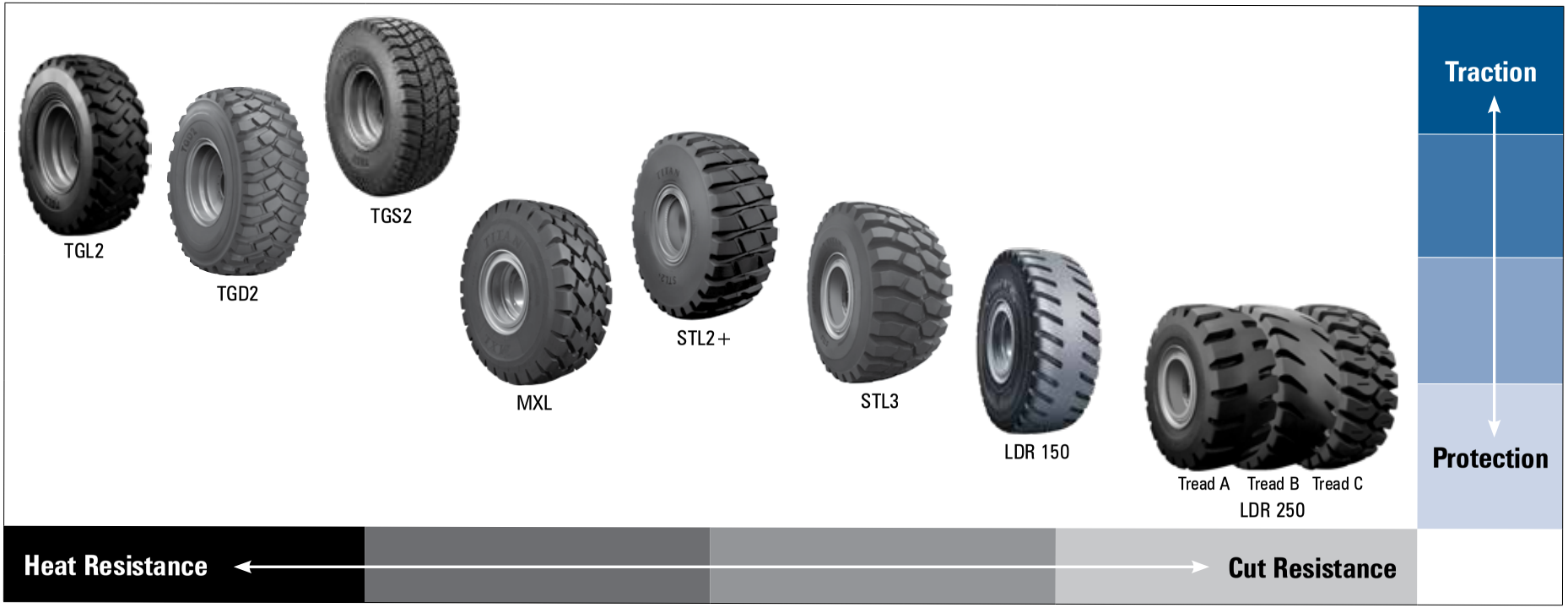
Intro to OTR Tires

## **Radial OTR Tire Applications:** Grading Equipment



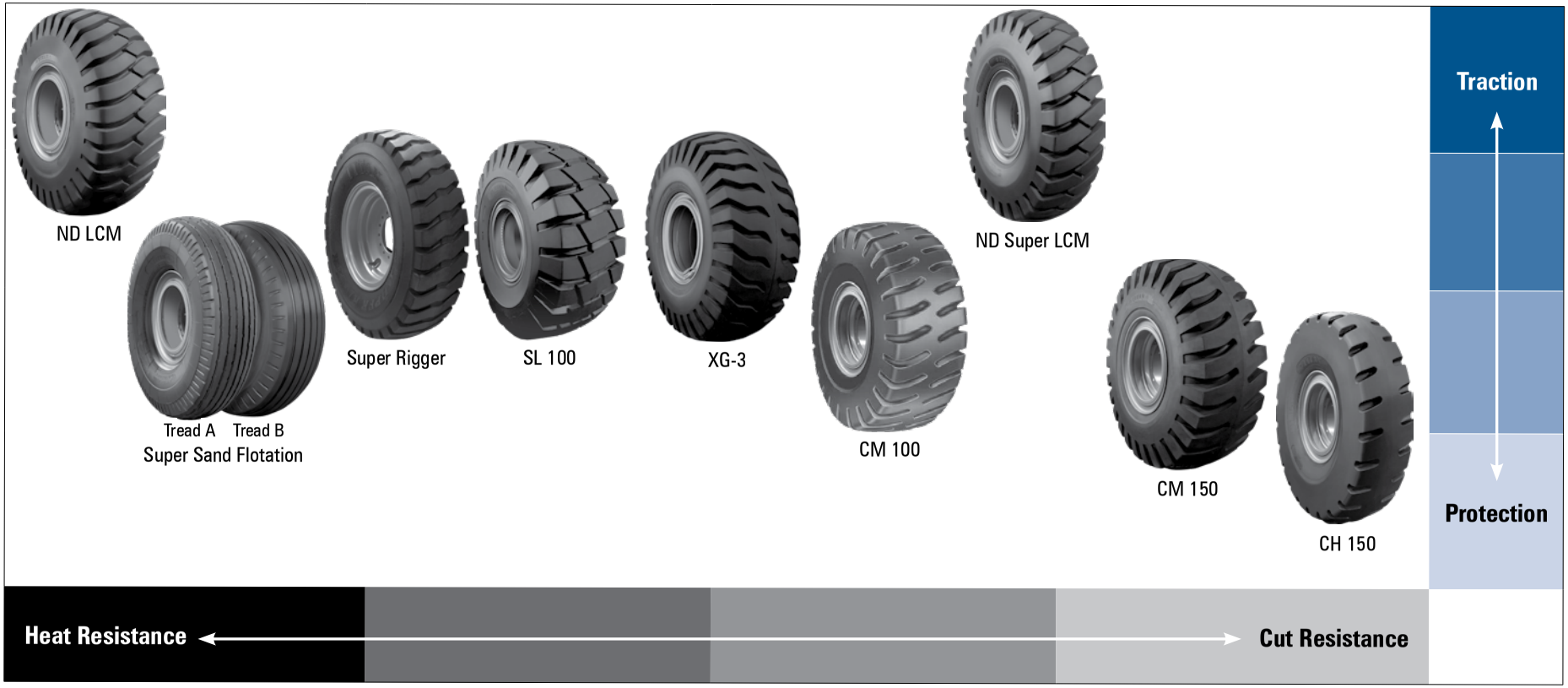

Notes:

## **Radial OTR Tire Applications:** Loader/Dozer Equipment




Notes:

## **Bias OTR Tire Applications:** Earthmover Equipment




Notes:

## **Bias OTR Tire Applications:** Grading Equipment

Loader Grader III

Motor Grader HD

Super Grader

**Traction**

**Protection**

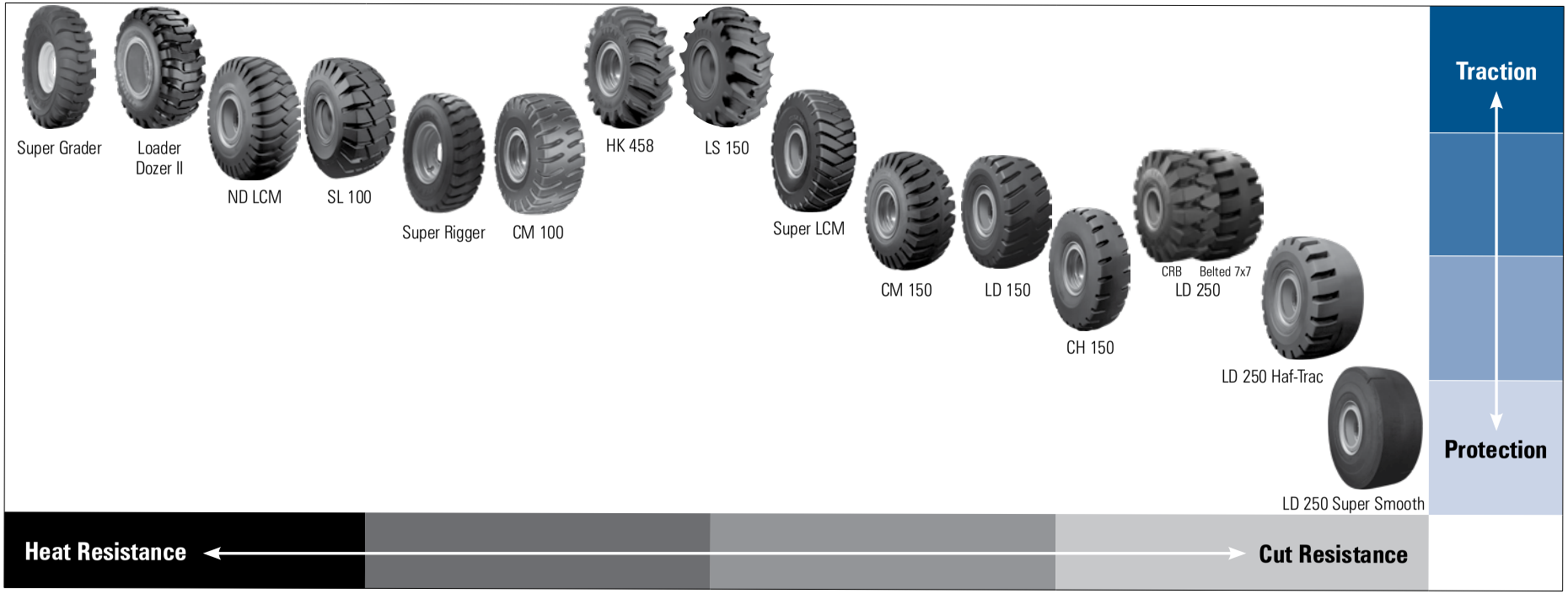
**Heat Resistance** ← → **Cut Resistance**

Notes:



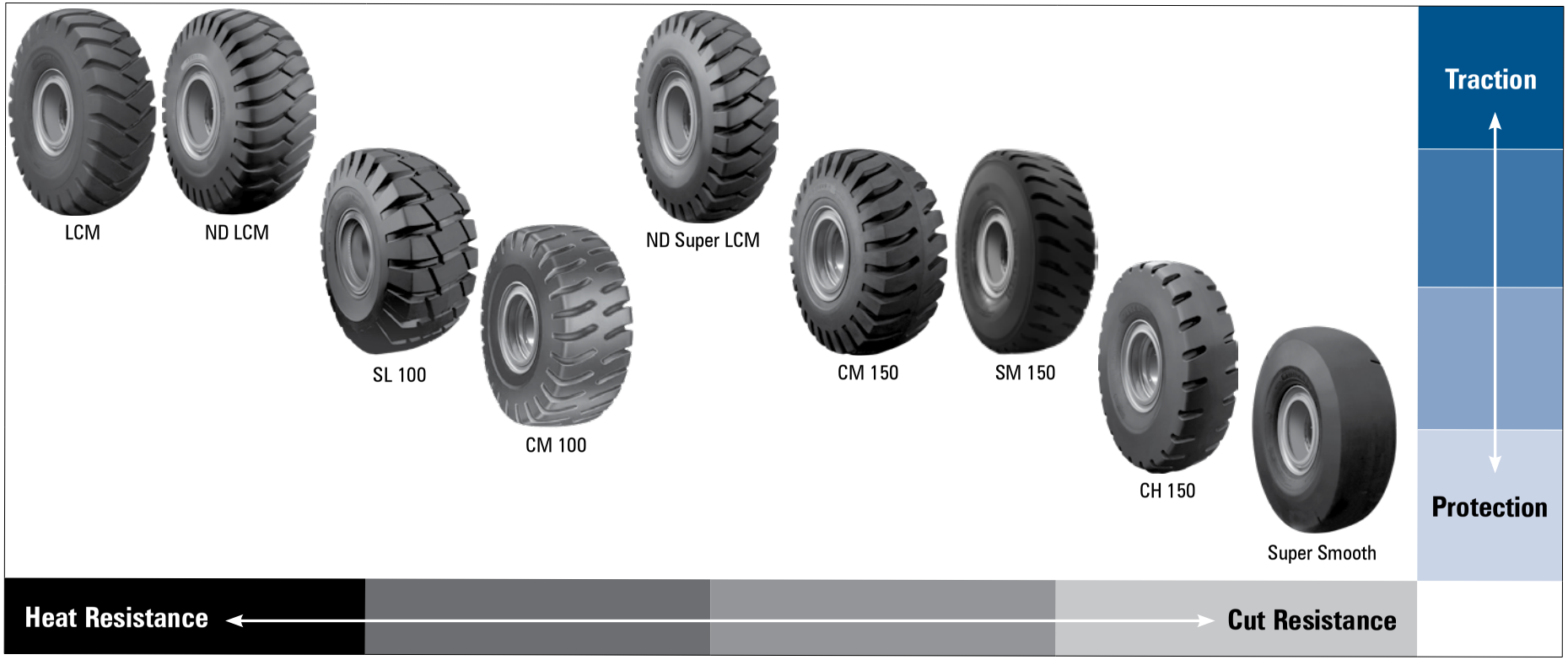
Intro to OTR Tires

# **Bias OTR Tire Applications:** Loader/Dozer Equipment




Notes:

## **Bias OTR Tire Applications:** Industrial Equipment




Notes:



Intro to OTR Tires


V47LB

# **TITAN** OTR TIRES

TITAN®


CASE

# TITAN OTR TIRES TABLE OF CONTENTS



*Aralon® is not a registered trademark of Titan International, Inc.

# TITAN OTR TIRES INDEX BY SIZE

## RADIAL

| Rim Diam. | Tire Size | Tread Pattern | Pg. |
|---|---|---|---|
| 546mm | LSW305-546NHS | LSW G9A (SS) | 65 |
| 18" | 340/80R18IND | *IT520 (R-4) | 59 |
| 24" | 14.00R24TG | TG2 (G-2) | 27 |
| 24" | 14.00R24TG | TGS2 (G-2) | 27 |
| 24" | 460/70R24IND | *IT520 (R-4) | 59 |
| 24" | 500/70R24 | *IT530 (R-4) | 61 |
| 24" | 500/70R24IND | *IT520 (R-4) | 59 |
| 24" | 540/70R24 | *IT530 (R-4) | 61 |
| 25" | 17.5R25 | STTR (G-3/L-3) | 30 |
| 25" | 17.5R25 | TGL2 (G-2/L-2) | 28 |
| 25" | 17.5R25 | TGS2 (G-2/L-2) | 27 |
| 25" | 17.5R25 | MXL (L-3) | 29 |
| 25" | 20.5R25 | STL3 (E-3/L-3) | 31 |
| 25" | 20.5R25 | STTR (E-3/L-3) | 30 |
| 25" | 20.5R25 | TGD2 (E-2/L-2) | 27 |
| 25" | 20.5R25 | MXL (L-3) | 29 |
| 25" | 23.5R25 | STL3 (E-3/L-3) | 31 |
| 25" | 23.5R25 | STTR (E-3/L-3) | 30 |
| 25" | 23.5R25 | MXL (L-3) | 29 |
| 25" | 26.5R25 | STL2+ (E-3T/L-3T) | 30 |
| 25" | 26.5R25 | STL3 (E-3/L-3) | 31 |
| 25" | 29.5R25 | STL2+ (E-3T/L-3T) | 30 |
| 25" | 29.5R25 | STL3 (E-3/L-3) | 31 |
| 25" | 750/65R25 | STL3 (E-3/L-3) | 31 |
| 29" | 29.5R29 | LDR 250 (L-5) | 33 |
| 29" | 875/65R29 | STL3 (E-3/L-3) | 31 |
| 33" | 35/65R33 | LDR 250 (L-5) | 33 |
| 35" | 24.00R35 | DTH4 (E-4) | 32 |
| 45" | 45/65R45 | LDR 250 (L-5) | 33 |
| 49" | 27.00R49 | 007 MFT (E-4) | 32 |
| 51" | 33.00R51 | 007 MFT (E-4) | 32 |
| 51" | 50/65R51 | LDR 250 (L-5) | 33 |
| 57" | 37.00R57 | 007 MFT (E-4+) | 32 |
| 57" | 40.00R57 | 007 MFT (E-4) | 32 |
| 57" | 46/90R57 | 007 MFT (E-4) | 32 |
| 57" | 50/80R57 | 007 MFT (E-4) | 32 |
| 63" | 58/80R63 | LDR 150 (L-4) | 32 |

## BIAS

| Rim Diam. | Tire Size | Tread Pattern | Pg. |
|---|---|---|---|
| 15" | 7.00-15SS | Trac Loader Chevron (SS) | 65 |
| 15" | 7.50-15NHS | Road Roller II (C-1) | 58 |
| 15" | 8.5/90-15K | Road Roller II (C-1) | 58 |
| 15" | 11L-15SL | *Laborer (F-3) | 62 |
| 16" | 11L-16SL | Contractor (F-3) | 62 |
| 16" | 11L-16SL | *Laborer (F-3) | 62 |
| 16.1" | 14.5/75-16.1SL | Contractor (F-3) | 62 |
| 16.1" | 14.5/75-16.1SL | *Laborer (F-3) | 62 |
| 16.5" | 10-16.5NHS | HD 2000 (SS) | 65 |
| 16.5" | 10-16.5NHS | HD 2000 II (SS) | 66 |
| 16.5" | 10-16.5NHS | Ultimate (SS) | 67 |
| 16.5" | 10-16.5NHS | H/E (SS) | 67 |
| 16.5" | 12-16.5NHS | Contractor FWD (SS) | 64 |
| 16.5" | 12-16.5NHS | HD 2000 (SS) | 65 |
| 16.5" | 12-16.5NHS | HD 2000 II (SS) | 66 |

*Goodyear Farm Tires Product Line

## BIAS

| Rim Diam. | Tire Size | Tread Pattern | Pg. |
|---|---|---|---|
| 16.5" | 12-16.5NHS | TGS2 (SS) | 64 |
| 16.5" | 12-16.5NHS | Ultimate (SS) | 67 |
| 16.5" | 12-16.5NHS | H/E (SS) | 67 |
| 16.5" | 31x15.50-16.5 | HD 2000 II (SS) | 66 |
| 16.5" | 33x15.50-16.5 | HD 2000 II (SS) | 66 |
| 17" | 480/45-17 | Contractor (F-3) | 62 |
| 17.5" | 14-17.5NHS | Contractor FWD (SS) | 64 |
| 17.5" | 14-17.5NHS | HD 2000 (SS) | 65 |
| 17.5" | 14-17.5NHS | H/E (SS) | 67 |
| 17.5" | 14-17.5NHS | HD 2000 (SS) | 65 |
| 17.5" | 14-17.5NHS | HD 2000 II (SS) | 66 |
| 17.5" | 14-17.5NHS | Ultimate (SS) | 67 |
| 18" | 10.5/80-18 | Contractor-T (I-3) | 62 |
| 18" | 12.5/80-18 | Contractor-T (I-3) | 62 |
| 18" | 12.5/80-18 | Contractor II (I-3) | 63 |
| 18" | 12.5/80-18 | *Sure Grip Lug (I-3) | 63 |
| 18" | 12.5/80-18NHS | TI422 (I-3) | 63 |
| 19.5" | 15-19.5NHS | Contractor FWD (SS) | 64 |
| 19.5" | 15-19.5NHS | *Sure Grip Loader (SS) | 64 |
| 19.5" | 15-19.5NHS | HD 2000 (SS) | 65 |
| 24" | 12.00-24NHS | LD 250 Super Smooth UGM (L-5S) | 55 |
| 24" | 13.00-24TG | Loader Grader III (G-2) | 40 |
| 24" | 13.00-24TG | Motor Grader HD (G-2) | 39 |
| 24" | 13.00-24TG | Super Rigger (E-3/L-3) | 35, 43 |
| 24" | 14.00-24TG | Motor Grader HD (G-2) | 39 |
| 24" | 14.00-24TG | Super Rigger (E-3/L-3) | 35, 43 |
| 24" | 14.00-24TG | Loader Grader III (G-2) | 40 |
| 24" | 14.00-24TG | Lift Rigger (G-2) | 39 |
| 24" | 14.9-24 | Industrial Tractor Lug (R-4) | 61 |
| 24" | 16.00-24DT | Super Sand Flotation (E-7) | 38 |
| 24" | 16.00-24TG | Super Grader (G-2/L-2) | 39, 41 |
| 24" | 16.9-24 | *IT525 (R-4) | 60 |
| 24" | 16.9-24 | Industrial Tractor Lug (R-4) | 61 |
| 24" | 17.5L-24 | Industrial Tractor Lug (R-4) | 61 |
| 24" | 18.4-24 | *IT525 (R-4) | 60 |
| 24" | 18.4-24 | Industrial Tractor Lug (R-4) | 61 |
| 24" | 19.5L-24 | *IT525 (R-4) | 60 |
| 24" | 19.5L-24 | Industrial Tractor Lug (R-4) | 61 |
| 24" | 19.5L-24 | *IT515 HS (R-4) | 59 |
| 24" | 21L-24 | *IT525 (R-4) | 60 |
| 24" | 21L-24 | Industrial Tractor Lug (R-4) | 61 |
| 24" | 420/70-24 | Industrial Tractor Lug (R-4) | 61 |
| 25" | 14.00-25TG | Super Rigger (E-3/L-3) | 35, 43 |
| 25" | 15.5-25 | Loader Dozer II (L-2) | 41 |
| 25" | 16.00-25 | ND LCM (L-3) | 42, 51 |
| 25" | 16.00-25 | Super LCM (L-4) | 44 |
| 25" | 17.5-25 | Loader Dozer II (L-2) | 41 |
| 25" | 18.00-25 | ND LCM (E-3) | 34 |
| 25" | 18.00-25 | CH 150 (E-4/L-4) | 36, 43, 51 |
| 25" | 18.00-25 | ND Super LCM (E-4), (E-4/L-4) | 38, 54 |
| 25" | 18.00-25 | LD 250 Super Smooth UGM (L-5S) | 55 |
| 25" | 18.00-25 | Super Smooth (L-4S) | 54 |
| 25" | 18.00-25DT | Super Sand Flotation (E-7) | 38 |
| 25" | 20.5-25 | HK 458 (E-4/L-4) | 38, 46 |
| 25" | 20.5-25 | Loader Dozer II (L-2) | 41 |
| 25" | 20.5-25 | ND LCM (E-3/L-3) | 34, 42, 51 |
| 25" | 20.5-25 | LD 250 (L-5) | 48 |

| BIAS | | | |
|---|---|---|---|
| Rim Diam. | Tire Size | Tread Pattern | Pg. |
| 25" | 20.5-25 | Loader Dozer II (L-2) | 41 |
| 25" | 21.00-25 | LCM (L-3) | 50 |
| 25" | 23.5-25 | HK 458 (E-4/L-4) | 38, 46 |
| 25" | 23.5-25 | ND LCM (E-3/L-3) | 34, 42, 51 |
| 25" | 23.5-25 | LD 250 (L-5) | 48 |
| 25" | 23.5-25 | Loader Dozer II (L-2) | 41 |
| 25" | 23.5-25 | LD 150 (L-4) | 45 |
| 25" | 23.5-25 | LD 250 Super Smooth (L-5S) | 49 |
| 25" | 26.5-25 | ND LCM (E-3/L-3) | 34, 42, 51 |
| 25" | 26.5-25 | LD 250 (L-5) | 48 |
| 25" | 26.5-25 | LD 250 Super Smooth (L-5S) | 49 |
| 25" | 26.5-25 | LD 250 Super Smooth UGM (L-5S) | 55 |
| 25" | 29.5-25 | ND LCM (E-3/L-3) | 34, 42, 51 |
| 25" | 29.5-25 | LD 150 (L-4) | 47 |
| 25" | 29.5-25 | LD 250 (L-5) | 48 |
| 25" | 29.5-25 | LD 250 Super Smooth (L-5S) | 49 |
| 25" | 29.5-25 | LD 250 Super Smooth UGM (L-5S) | 55 |
| 25" | 66x43.00-25NHS | *Logger Lug III Flotation (HF-4) | 56 |
| 25" | 67x34.00-25NHS | *Logger Lug III Flotation (HF-4) | 56 |
| 25" | 725/70-25 | LS 150 (L-4T) | 48 |
| 26" | 18.4-26 | Industrial Tractor Lug (R-4) | 61 |
| 26" | 23.1-26 | *Logger Lug III (LS-2) | 56 |
| 26" | 28L-26 | *Logger Lug III HD (LS-2) | 57 |
| 26" | 66x43.00-26NHS | *Logger Lug III Flotation (HF-4) | 56 |
| 26" | 67x34.00-26NHS | *Logger Lug III Flotation (HF-4) | 56 |
| 28" | 16.9-28 | *IT525 (R-4) | 60 |
| 28" | 18.4-28 | Industrial Tractor Lug (R-4) | 61 |
| 28" | 21L-28 | *IT525 (R-4) | 60 |
| 29" | 29.5-29 | ND LCM (E-3/L-3) | 34, 42, 51 |
| 29" | 29.5-29 | LD 250 Super Smooth UGM (L-5S) | 55 |
| 29" | 33.25-29 | SL 100 (E-3/L-3) | 35, 42 |
| 32" | 24.5-32 | *Logger Lug III (LS-2) | 56 |
| 32" | 30.5L-32 | *Logger Lug III HD (LS-2) | 57 |
| 32" | DH35.5L-32 | *Logger Lug III HD (LS-2) | 57 |
| 32" | DH73x44.00-32 | *Logger Lug III Flotation (HF-3+) | 56 |

| BIAS | | | |
|---|---|---|---|
| Rim Diam. | Tire Size | Tread Pattern | Pg. |
| 32" | DH73x50.00-32 | *Logger Lug III Flotation (HF-3+) | 56 |
| 33" | 18.00-33 | Quarry Special (E-4) | 37 |
| 33" | 18.00-33 | CM 150 (E-4/L-4) | 36, 52 |
| 33" | 18.00-33 | Super Smooth (L-4S) | 54 |
| 33" | 33.5-33 | ND LCM (E-3) | 35 |
| 33" | 33.5-33 | ND LCM (IND-3) | 51 |
| 33" | 35/65-33 | LD 150 (L-4) | 45 |
| 33" | 35/65-33 | LD 250 (L-5) | 48 |
| 33" | 35/65-33 | LD 250 Haf-Trac (L-5/L-5S) | 48 |
| 33" | 35/65-33 | LD 250 Super Smooth (L-5S) | 49 |
| 33" | 35/65-33 | LD 250 Super Smooth UGM (L-5S) | 55 |
| 33" | 37.5-33 | ND LCM (E-3/L-3) | 35, 42, 51 |
| 35" | 21.00-35 | Quarry Special (E-4/L-4) | 37, 44, 52 |
| 35" | 24.00-35 | Quarry Special (E-4/L-4) | 37, 44, 52 |
| 35" | 29.5-35 | ND LCM (E-3) | 34 |
| 35" | 33.25-35 | CM 150 (E-4), (E-4/L-4) | 36, 44, 52 |
| 35" | 33.25-35 | ND LCM (E-3/L-3) | 35, 42, 51 |
| 35" | 37.25-35 | CM 150 (E-4) | 36 |
| 35" | 37.25-35 | SL 100 (E-3) | 35 |
| 35" | 37.25-35 | XG-3 (E-3) | 36 |
| 35" | 37.25-35 | CM 150 (IND-4) | 52 |
| 39" | 37.5-39 | CM 100 (E-3), (E-3/L-3) | 34, 41, 50 |
| 39" | 40/65-39 | LD 250 (L-5) | 48 |
| 39" | 41.25/70-39 | LD 250 (L-5) | 48 |
| 39" | 41.25/70-39 | LD 250 Super Smooth (L-5S) | 49 |
| 45" | 45/65-45 | LD 250 (L-5) | 48 |
| 45" | 45/65-45 | LD 250 Super Smooth (L-5S) | 49 |
| 49" | 24.00-49 | Quarry Special (E-4/L-4) | 37, 44, 52 |
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*Goodyear Farm Tires Product Line

# **TITAN OTR TIRES** TREAD PATTERNS

RADIAL OTR
BIAS EARTHMOVING
BIAS GRADER
BIAS LOADER-DOZER

**TGD2** (E-2/L-2)
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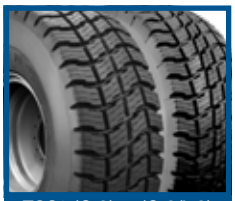
**TG2** (G-2)
*P. 27*



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**MXL** (L-3)
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**STL2+** (E-3T/L-3T)
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**STTR** (G-3/L-3)
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**STL3** (E-3/L-3)
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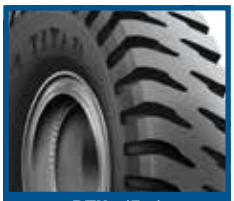

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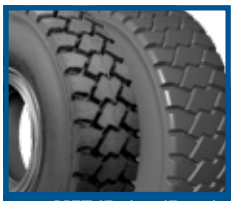

**007 MFT** (E-4) or (E-4+)
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(E-3/L-3) *P. 34*

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**XG-3** (E-3)
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**CH 150** (E-4/L-4)
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**QUARRY SPECIAL**
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(E-4) or (E-4/L-4) *P. 38*

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**MOTOR GRADER HD** (G-2)
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**SUPER GRADER** (G-2/L-2)
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**LOADER GRADER III** (G-2)
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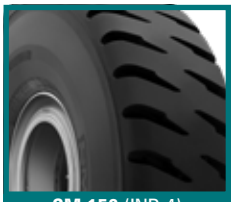
**QUARRY SPECIAL**
(E-4/L-4) *P. 52*



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BIAS LOADER-DOZER ■ BIAS INDUSTRIAL ■ BIAS UGM/MATERIAL HANDLING ■ BIAS FORESTRY ■ BIAS COMPACTOR ■ BACKHOE

*Goodyear Farm Tires Product Line
Note: Titan tires face left; Goodyear Farm Tires face right

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BACKHOE ■ SKID STEER

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**H/E** (SS)
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*Goodyear Farm Tires Product Line
Note: Titan tires face left; Goodyear Farm Tires face right


## TITAN TGD2 (E-2/L-2)

- Directional tread design for excellent forward traction
- Center riding rib for smooth ride and even wear
- Steel belted construction to provide increased cut resistance and extended wear

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.5R25 | CE | EDTB21 | E-2 | 177B | 2* | 17.00 / 2.0 | 58.3 | 20.5 | 22.0 | 26.3 | 271 | 36 | 16,100 @ 76 | 566 |
| | | | L-2 | 186A2 | 1* | | 58.3 | 20.5 | 22.5 | 25.6 | 333 | | 20,900 @ 73 | |


## TITAN TG2 (G-2)

- Exceptional traction design
- Non-directional tread pattern provides long tread life
- Open tread pattern provides excellent self-cleaning
- Steel belted construction to provide increased cut resistance and extended wear

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14.00R24TG | WE | PGW1R4 | G-2 | 153A8 | 1* | 10.00VA | 53.5 | 14.7 | 16.9 | 24.1 | 198 | 32 | 8,050 @ 54 | 246 |


## TITAN TGS2 (G-2) or (G-2/L-2)

- All-season tread pattern
- Aggressive tread pattern and siping provides excellent traction on all surfaces and conditions, especially snow, ice and mud
- Steel belted construction (17.5R25 only) to provide increased cut resistance and extended wear

| Tire Size | Compound/ Construction | Catalog # | Tread Design | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14.00R24TG | WE | PSW1R4 | A | G-2 | 153A8 | 1* | 10.00 / 1.7 | 53.4 | 15.4 | 17.3 | 24.4 | 198 | 32 | 8,050 @ 54 | 264 |
| 17.5R25 | WE | ESWA17 | B | G-2 | 153A8 | 1* | 14.00 / 1.5 | 53.0 | 18.0 | 20.2 | 23.9 | 242 | 32 | 8,050 @ 44 | 345 |
| | | | | L-2 | 176A2 | | | 53.2 | 18.3 | 20.8 | 23.7 | 248 | | 15,700 @ 73 | |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

# TITAN TGL2 (G-2/L-2)

- Non-directional tread pattern provides long tread life
- Open tread pattern provides excellent self-cleaning and traction
- Steel belted construction to provide increased cut resistance and extended wear

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.5R25 | WE | EUWA17 | G-2 | 153A8 | 1* | 14.00/1.5 | 52.6 | 17.5 | 19.5 | 23.5 | 230 | 35 | 8,050 @ 44 | 331 |
| | | | L-2 | 176A2 | | | 52.6 | 17.5 | 20.0 | 24.0 | 191 | | 15,700 @ 73 | |




See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

# TITAN MXL (L-3)

## Key Benefits

- Large contact area for improved wear
- Lug design offers increased biting edges
- Aggressive tread for optimal traction
- Sturdy tread elements for maximum torque transmission
- Steel belted construction now available to provide increased cut resistance and extended wear


POLY

COST EFFECTIVE

STEEL

COST EFFECTIVE

INCREASED PUNCTURE RESISTANCE

INCREASED CUT RESISTANCE

INCREASED HEAT RESISTANCE

## Application(s)

LIGHTER DUTY APPLICATIONS

PERFECT FOR REFURBISHED MACHINES OR EXPORT

**USED IN:** MUNICIPAL/FEED LOT LOADERS/GRADERS

| | Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Poly Belted | 17.5R25 | Poly | 4LP117 | L-3 | 176A2 | 1* | 14.00 / 1.5 | 54.0 | 18.0 | 20.5 | 23.8 | 268 | 39 | 15,700 @ 73 | 307 |
| | 20.5R25 | Poly | 4LP121 | L-3 | 186A2 | 1* | 17.00 / 2.0 | 59.5 | 20.9 | 24.5 | 26.3 | 355 | 48 | 20,900 @ 73 | 455 |
| | 23.5R25 | Poly | 4LP123 | L-3 | 195A2 | 1* | 19.50 / 2.5 | 64.7 | 24.3 | 28.3 | 27.9 | 461 | 51 | 26,800 @ 73 | 635 |
| Steel Belted | 17.5R25 | Steel | 4LR117 | L-3 | 176A2 | 1* | 14.00 / 1.5 | 53.4 | 17.3 | 20.1 | 23.7 | 285 | 39 | 15,700 @ 73 | 335 |
| | 20.5R25 | Steel | 4LR121 | L-3 | 186A2 | 1* | 17.00 / 2.0 | 58.8 | 20.2 | 23.6 | 25.5 | 370 | 48 | 20,900 @ 73 | 499 |

## TITAN STL2+ (E-3T/L-3T)

- 130% level tread depth provides long tread life
- Open, non-directional tread pattern provides excellent self-cleaning
- Bar lug design for rock and traction
- Steel belted construction to provide increased cut resistance and extended wear

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26.5R25 | WE | EPWB27 | E-3T | 193B | 2* | 22.00 / 3.0 | 68.9 | 28.4 | 30.1 | 30.7 | 481 | 56 | 25,400 @ 76 | 923 |
| | | | L-3T | 202A2 | 1* | | 68.9 | 28.4 | 30.9 | 29.7 | 550 | | 33,100 @ 73 | |
| 29.5R25 | CE | EPTB29 | E-3T | 200B | 2* | 25.00 / 3.5 | 73.3 | 29.5 | 33.1 | 32.8 | 543 | 60 | 30,900 @ 76 | 1,264 |
| | | | L-3T | 208A2 | 1* | | 73.3 | 29.5 | 34.0 | 31.7 | 608 | | 39,700 @ 73 | |
| 29.5R25 | WE | EPWB29 | E-3T | 200B | 2* | 25.00 / 3.5 | 73.3 | 29.5 | 33.1 | 32.8 | 543 | 60 | 30,900 @ 76 | 1,257 |
| | | | L-3T | 208A2 | 1* | | 73.3 | 29.5 | 34.0 | 31.7 | 608 | | 39,700 @ 73 | |

## TITAN STTR (G-3/L-3) or (E-3/L-3)

- Steel ply radial construction
- Steel belted for long-term strength and cut resistance
- Dual rated for both Earthmover and Loader speeds for a more versatile tire option
- Non-directional tread pattern
- Center lug with connecting tie-bars for uniform tread wear and increased stability

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.5R25 | Steel | 4S7117001 | G-3 | 153A8 | 1* | 14.00 / 1.5 | 52.8 | 17.9 | 20.1 | 24.0 | 234 | 32 | 8,050 @ 44 | 337 |
| | | | L-3 | 176A2 | | | 53.0 | 17.9 | 20.7 | 23.4 | 284 | | 15,700 @ 73 | |
| 20.5R25 | Steel | 4S7221001 | E-3 | 177B | 2* | 17.00 / 2.0 | 59.2 | 20.7 | 23.3 | 27.0 | 300 | 40 | 16,100 @ 76 | 527 |
| | | | L-3 | 186A2 | 1* | | 59.2 | 20.7 | 24.0 | 26.3 | 354 | | 20,900 @ 73 | |
| 23.5R25 | Steel | 4S7223001 | E-3 | 185B | 2* | 19.50 / 2.5 | 63.5 | 24.2 | 27.3 | 27.9 | 405 | 42 | 20,400 @ 76 | 688 |
| | | | L-3 | 195A2 | 1* | | 63.5 | 24.2 | 28.2 | 26.9 | 482 | | 26,800 @ 73 | |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

# TITAN STL3 (E-3/L-3)

## Key Benefits

- Non-directional tread pattern
- Center riding rib for smooth ride and long, even wear
- Full-width shoulder lug for excellent traction and lateral stability
- Additional compounds available upon request
- Steel belted construction to provide increased cut resistance and extended wear

INCREASED PUNCTURE RESISTANCE

IMPROVED TREAD WEAR

INCREASED FLOTATION

INCREASED STABILITY

INCREASED CUT RESISTANCE

INCREASED HEAT RESISTANCE

## Application(s)

HEAVY DUTY APPLICATIONS

VERSATILE FOR MULTIPLE APPLICATIONS

**USED IN:** QUARRIES AND ASPHALT PLANTS

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.5R25 | CE | ERTB21 | E-3 | 177B | 2* | 17.00 / 2.0 | 59.0 | 21.0 | 23.3 | 26.8 | 296 | 42 | 16,100 @ 76 | 596 |
| | | | L-3 | 186A2 | 1* | | 58.9 | 21.0 | 24.0 | 26.0 | 343 | | 20,900 @ 73 | |
| 23.5R25 | CE | ERTB23 | E-3 | 185B | 2* | 19.50 / 2.5 | 63.2 | 24.5 | 27.2 | 28.7 | 358 | 44 | 20,400 @ 76 | 761 |
| | | | L-3 | 195A2 | 1* | | 63.2 | 24.5 | 27.8 | 27.9 | 406 | | 26,800 @ 73 | |
| 26.5R25 | CE | ERTB27 | E-3 | 193B | 2* | 22.00 / 3.0 | 68.2 | 27.8 | 30.4 | 31.0 | 443 | 48 | 25,400 @ 76 | 904 |
| | | | L-3 | 202A2 | 1* | | 68.2 | 27.7 | 31.3 | 30.1 | 508 | | 33,100 @ 73 | |
| 750/65R25 | WE | ERWBW1 | E-3 | 190B | 2* | 24.00 / 3.0 | 63.2 | 30.3 | 32.6 | 28.2 | 465 | 58 | 23,400 @ 62 | 919 |
| | | | L-3 | 202A2 | 1* | | 63.3 | 30.3 | 32.8 | 27.3 | 519 | | 33,100 @ 69 | |
| 29.5R25 | CE | ERTB29 | E-3 | 200B | 2* | 25.00 / 3.5 | 73.0 | 30.6 | 33.4 | 33.1 | 525 | 55 | 30,900 @ 76 | 1,232 |
| | | | L-3 | 208A2 | 1* | | 73.0 | 30.6 | 34.2 | 32.2 | 613 | | 39,700 @ 73 | |
| 875/65R29 | WE | ERWDM7 | E-3 | 203B | 2* | 28.00 / 3.5 | 73.3 | 35.2 | 37.6 | 33.3 | 629 | 60 | 34,200 @ 69 | 1,398 |
| | | | L-3 | 214A2 | 1* | | 73.3 | 35.2 | 37.6 | 32.4 | 701 | | 46,700 @ 69 | |

## TITAN DTH4 (E-4)

- Deep tread depth for long tread life
- Solid center and large contact area provide damage resistance
- Self-cleaning grooves provide excellent traction
- Steel belted construction to provide increased cut resistance and extended wear
- Additional compounds available upon request

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | TMPH | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24.00R35 | HE | EHH2R7 | E-4 | 209B | 2* | 17.00 / 3.5 | 85.8 | 26.7 | 29.9 | 39.1 | 533 | 70 | 40,800 @ 102 | 310 | 1,716 |


## TITAN 007 MFT (E-4) or (E-4+)

- Large contact area provides damage resistance
- Self-cleaning grooves provide excellent traction
- Tie-bars provide lug stabilization, resulting in even tread wear
- Steel belted construction to provide increased cut resistance and extended wear

| Tire Size | Compound/ Construction | Catalog # | Tread Design | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | TMPH | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27.00R49 | H2 | MH22R9 | A | E-4 | 223B | 2* | 19.50 / 4.0 | 106.7 | 28.6 | 33.2 | 48.7 | 769 | 86 | 60,000 @ 102 | 411 | 2,894 |
| 33.00R51 | H2 | MH22R3 | A | E-4 | 235B | 2* | 24.00 / 5.0 | 120.5 | 35.2 | N/A | N/A | N/A | 98 | 85,500 @ 102 | 540 | 4,449 |
| 37.00R57 | H2 | MH2237 | A | E-4+ | 245B | 2* | 27.00 / 6.0 | 135.8 | 39.6 | 45.5 | 61.3 | 1,427 | 125 | 113,500 @ 102 | 681 | 6,151 |
| 40.00R57 | H2 | MH2240 | A | E-4 | 250B | 2* | 29.00 / 6.0 | 142.1 | 43.1 | 50.0 | 63.8 | 1,577 | 105 | 132,500 @ 102 | 772 | 7,370 |
| 46/90R57 | H2 | MH2276 | A | E-4 | 252B | 2* | 32.00 / 6.0 | 142.1 | 46.0 | N/A | N/A | N/A | 105 | 139,000 @ 102 | 810 | 7,552 |
| 50/80R57 | H4 | MH4270 | B | E-4 | 257B | 2* | 34.00 /5.0 | 142.5 | 48.2 | 54.6 | 62.8 | 1,945 | 105 | 161,000 @ 110 | 725 | 8,158 |

## TITAN LDR 150 (L-4)

- Non-directional deep tread depth provides extended tread life and excellent cut resistance
- Solid centerline tread pattern provides a stable, smooth ride and additional resistance to rock-type damage
- Steel belted construction to provide increased cut resistance and extended wear

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58/80R63 | WE | LF4258 | L-4 | 276A2 | 2* | 47.00 / 6.0 | 152.0 | 54.9 | 63.8 | 66.2 | 2,665 | 119 | 275,500 @ 102 | 10,881 |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

Tread A Tread B Tread C

# TITAN LDR 250 (L-5)

- Extra deep tread provides excellent rock-type damage resistance and long tread life
- Open non-directional tread pattern provides all-around traction with excellent self-cleaning
- Tread C - Aggressive tread pattern and siping provides excellent traction on all surfaces and conditions especially snow, ice and mud
- Steel belted construction to provide increased cut resistance and extended wear

| Tire Size | Compound/ Construction | Catalog # | Tread Design | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29.5R29 | WV | LWV2U2 | C | L-5 | 218A2 | 2* | 25.00 / 3.5 | 77.1 | 29.8 | 33.1 | 34.2 | 705 | 121 | 52,000 @ 94 | 1,850 |
| 35/65R33 | WE | LFT26K | A | L-5 | 224A2 | 2* | 28.00 / 3.5 | 81.6 | 33.1 | 37.7 | 36.2 | 730 | 115 | 61,500 @ 94 | 2,451 |
| 45/65R45 | WE | LFT26P | A | L-5 | 245A2 | 2* | 36.00 / 4.5 | 107.7 | 43.1 | 47.5 | 47.4 | 1,315 | 140 | 113,500 @ 94 | 5,128 |
| 50/65R51 | WE | LFT2G6 | B | L-5 | 253A2 | 2* | 40.00 / 4.5 | 120.0 | 50.0 | 53.0 | 54.5 | 1,500 | 160 | 143,500 @ 94 | 7,443 |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## TITAN CM 100 (E-3) or (E-3/L-3)

- Rock service tread designed for the challenges of large equipment demands
- Solid centerline tread pattern provides excellent cut resistance, smooth ride and extended wear
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37.5-39 | CRB | 6M1HW9 | E-3 | 222B | 52 | 32.00 / 4.5 | 98.5 | 38.2 | 40.0 | 44.4 | 853 | 66 | 56,800 @ 69 | 2,704 |
| 37.5-39 | CRB | 6M2NW9 | E-3 | 225B | 60 | 32.00 / 4.5 | 98.6 | 38.2 | 40.0 | 44.5 | 842 | 66 | 64,000 @ 80 | 2,734 |
| | | | L-3 | 241A2 | | | 98.7 | 38.3 | 40.9 | 43.5 | 1,019 | | 102,000 @ 109 | |

## TITAN ND LCM (E-3), (L-3), or (E-3/L-3)

- Non-directional tread design with center riding rib provides excellent all-around traction and lateral stability
- Rock service tread design provides resistance to rock damage and long tread life
- CRB – Features an Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18.00-25 | -- | 6NDW18 | E-3 | 183B | 32 | 13.00 / 2.5 | 64.2 | 20.2 | 21.6 | 29.3 | 255 | 39 | 19,300 @ 83 | 628 |
| 20.5-25 | -- | 6NNR21 | E-3 | 174B | 24 | 17.00 / 2.0 | 58.0 | 21.2 | 22.3 | 26.3 | 254 | 35 | 14,800 @ 58 | 466 |
| | | | L-3 | 189A2 | | | 58.3 | 21.4 | 22.7 | 25.9 | 302 | | 22,700 @ 76 | |
| 23.5-25 | -- | 6NN923 | E-3 | 177B | 20 | 19.50 / 2.5 | 63.3 | 24.5 | 26.0 | 28.0 | 403 | 39 | 16,100 @ 44 | 527 |
| | | | L-3 | 191A2 | | | 63.4 | 24.7 | 26.4 | 27.3 | 490 | | 24,000 @ 54 | |
| 23.5-25 | -- | 6NNR23 | E-3 | 180B | 24 | 19.50 / 2.5 | 62.7 | 24.2 | 25.3 | 27.8 | 409 | 39 | 17,600 @ 51 | 585 |
| | | | L-3 | 196A2 | | | 63.4 | 24.6 | 26.2 | 27.4 | 449 | | 27,600 @ 69 | |
| 26.5-25 | -- | 6NNT27 | E-3 | 186B | 26 | 22.00 / 3.0 | 68.1 | 27.6 | 29.1 | 29.9 | 458 | 43 | 20,900 @ 47 | 847 |
| | | | L-3 | 202A2 | | | 68.5 | 27.8 | 29.5 | 29.3 | 543 | | 33,100 @ 65 | |
| 26.5-25 | -- | 6NNW27 | E-3 | 191B | 32 | 22.00 / 3.0 | 69.0 | 27.9 | 28.7 | 31.2 | 346 | 43 | 24,000 @ 58 | 911 |
| | | | L-3 | 206A2 | | | 69.0 | 28.1 | 29.2 | 30.5 | 491 | | 37,500 @ 80 | |
| 26.5-25 | -- | 6NND27 | E-3 | 198B | 44 | 22.00 / 3.0 | 68.6 | 27.2 | 27.6 | 31.5 | 325 | 43 | 29,100 @ 83 | 997 |
| | | | L-3 | 213A2 | | | 68.7 | 27.2 | 28.0 | 30.8 | 425 | | 45,400 @ 112 | |
| 29.5-25 | -- | 6NNUW1 | E-3 | 193B | 28 | 25.00 / 3.5 | 74.5 | 30.1 | 31.5 | 32.9 | 504 | 47 | 25,400 @ 47 | 1,014 |
| | | | L-3 | 207A2 | | | 74.7 | 30.3 | 32.1 | 32.2 | 656 | | 38,600 @ 62 | |
| 29.5-25 | -- | 6NNXW1 | E-3 | 198B | 34 | 25.00 / 3.5 | 74.6 | 30.2 | 31.6 | 32.9 | 495 | 47 | 29,100 @ 58 | 1,090 |
| | | | L-3 | 212A2 | | | 74.8 | 30.4 | 32.1 | 32.2 | 603 | | 44,100 @ 76 | |
| 29.5-29 | -- | 6NNXW2 | E-3 | 200B | 34 | 25.00 / 3.5 | 78.3 | 30.2 | 31.8 | 34.8 | 563 | 47 | 30,900 @ 58 | 1,137 |
| | | | L-3 | 214A2 | | | 78.5 | 30.4 | 32.3 | 34.0 | 634 | | 46,700 @ 76 | |
| 29.5-35 | -- | 6NDXW3 | E-3 | 202B | 34 | 25.00 / 3.5 | 83.0 | 30.2 | 31.7 | 37.7 | 472 | 47 | 33,100 @ 58 | 1,319 |

**Continues on Next Page**



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

ND LCM Continued

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CRB | | | | | | | | | | | | | | |
| 33.25-35 | CRB | 6NNKW5 | E-3 | 217B | 56 | 27.00 / 3.5 | 89.2 | 33.3 | 34.7 | 40.2 | 570 | 53 | 50,700 @ 87 | 1,911 |
| | | | L-3 | 232A2 | | | 89.8 | 33.5 | 35.3 | 39.4 | 729 | | 78,500 @ 112 | |
| 33.5-33 | CRB | 6NDDW6 | E-3 | 212B | 44 | 28.00 / 4.0 | 88.1 | 34.4 | 36.0 | 39.4 | 716 | 53 | 44,100 @ 65 | 1,864 |
| 37.5-33 | CRB | 6NNMW8 | E-3 | 221B | 54 | 32.00 / 4.5 | 93.7 | 38.3 | 39.0 | 42.2 | 718 | 58 | 56,800 @ 73 | 2,399 |
| | | | L-3 | 235A2 | | | 93.7 | 38.3 | 39.0 | 42.2 | 718 | | 85,500 @ 94 | |

## TITAN SL 100 (E-3) or (E-3/L-3)

- Center riding rib provides a smooth ride and improved lateral stability
- Non-directional tread design pattern provides excellent all-around traction and long wear
- CRB – Features an Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33.25-29 | CRB | 6SLWW4 | E-3 | 202B | 32 | 27.00 / 3.5 | 82.4 | 33.7 | 35.8 | 36.7 | 685 | 53 | 33,100 @ 47 | 1,478 |
| | | | L-3 | 218A2 | | | 82.5 | 33.8 | 36.5 | 35.9 | 849 | | 52,000 @ 65 | |
| 33.25-29 | CRB | 6SLAW4 | E-3 | 205B | 38 | 27.00 / 3.5 | 82.5 | 33.8 | 35.7 | 36.9 | 663 | 53 | 36,400 @ 58 | 1,558 |
| | | | L-3 | 221A2 | | | 82.7 | 34.0 | 36.4 | 36.0 | 821 | | 56,800 @ 76 | |
| 37.25-35 | CRB | 6SLZW7 | E-3 | 211B | 36 | 29.00 / 3.5 | 95.4 | 36.9 | 39.1 | 42.5 | 841 | 58 | 43,000 @ 47 | 2,186 |

## TITAN SUPER RIGGER (E-3/L-3)

- Non-directional wide tread
- Long wearing tread compound for demanding material handling operations

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13.00-24TG | 49L333 | E-3 | 146B | 12 | 9.00 | 50.4 | 14.7 | N/A | 23.1 | 152 | 31 | 6,600 @ 44 | 225 |
| | | L-3 | 168A2 | | | 49.9 | 14.6 | 15.8 | 22.7 | 195 | | 12,300 @ 65 | |
| 14.00-24TG | 49L344 | E-3 | 150B | 12 | 10.00 | 52.3 | 14.8 | 16.8 | 24.2 | 175 | 32 | 7,400 @ 40 | 222 |
| | | L-3 | 172A2 | | | 53.4 | 14.0 | N/A | 23.7 | 240 | | 13,900 @ 62 | |
| 14.00-24TG | 49L3R4 | E-3 | 156B | 16 | 10.00 | 53.7 | 15.3 | N/A | 23.8 | N/A | 32 | 8,800 @ 54 | 242 |
| | | L-3 | 177A2 | | | N/A | N/A | N/A | N/A | N/A | | 16,100 @ 80 | |
| 14.00-25TG | 49LB65 | E-3 | 168B | 28 | 10.00 / 1.5 | 53.4 | 15.2 | N/A | N/A | N/A | 32 | 12,300 @ 94 | 378 |
| | | L-3 | 189A2 | | | 53.4 | 15.2 | 16.3 | 24.5 | 229 | | 22,700 @ 141 | |



## TITAN XG-3 (E-3)

- All-purpose design for traction and flotation
- Solid centerline provides excellent lateral stability
- CRB – Features an Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37.25-35 | CRB | 6X3ZW7 | E-3 | 211B | 36 | 29.00 / 3.5 | 95.2 | 37.5 | 39.9 | 42.1 | 902 | 58 | 43,000 @ 47 | 2,195 |

## TITAN CH 150 (E-4/L-4)

- Deep, non-directional tread provides excellent rock-type damage and long tread life
- Solid centerline tread pattern provides smooth ride and excellent lateral traction

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18.00-25 | 6HLB18 | E-4 | 187B | 40 | 13.00 / 2.5 | 65.0 | 20.3 | 21.2 | 30.4 | 281 | 66 | 21,500 @ 102 | 856 |
| | | L-4 | 206A2 | | | 65.1 | 20.4 | 21.7 | 29.7 | 360 | | 37,500 @ 138 | |

## TITAN CM 150 (E-4) or (E-4/L-4)

- Deep, non-directional tread provides excellent rock-type damage resistance and long tread life
- Solid centerline tread pattern provides smooth ride and excellent lateral traction on high tonnage vehicles
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18.00-33 | -- | 6M5B83 | E-4 | 193B | 40 | 13.00 / 2.5 | 74.2 | 20.8 | 21.9 | 34.8 | 290 | 71 | 25,400 @ 102 | 1,087 |
| | | | L-4 | 212A2 | | | 74.5 | 21.0 | 22.5 | 34.0 | 378 | | 44,100 @ 138 | |
| CRB | | | | | | | | | | | | | | |
| 33.25-35 | CRB | 6M5DW5 | E-4 | 211B | 44 | 27.00 / 3.5 | 90.0 | 34.1 | 35.9 | 41.2 | 659 | 78 | 43,000 @ 65 | 2,427 |
| 33.25-35 | CRB | 6MLKW5 | E-4 | 217B | 56 | 27.00 / 3.5 | 90.3 | 34.4 | N/A | N/A | N/A | 78 | 50,700 @ 87 | 2,530 |
| | | | L-4 | 232A2 | | | N/A | N/A | N/A | N/A | N/A | | 78,500 @ 112 | |
| 37.25-35 | CRB | 6M5ZW7 | E-4 | 211B | 36 | 29.00 / 3.5 | 94.3 | 36.5 | 39.1 | 42.4 | 820 | 87 | 43,000 @ 47 | 2,445 |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

# TITAN QUARRY SPECIAL (E-4) or (E-4/L-4)

## Key Benefits

- "Value Engineered" VE-420 tread designed for excellent chip and cut resistance from shot rock
- Tread designed for traction with deep lugs and center riding rib for a smoother ride
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

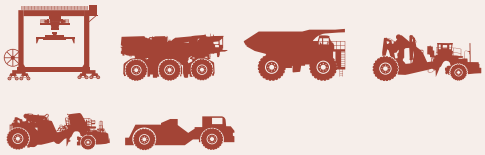
REDUCED DOWNTIME

INCREASED PUNCTURE RESISTANCE

IMPROVED TREAD WEAR

INCREASED CUT RESISTANCE

## Application(s)



DUAL RATED DESIGNS FOR INDUSTRIAL APPLICATIONS

**USED IN:** QUARRIES, SMALL OPEN PITS, PORT RAILYARDS & STEEL MILLS

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18.00-33 | VE-420, CRB | 6QSW83 | E-4 | 189B | 32 | 13.00 / 2.5 | 74.1 | 20.7 | 21.8 | 34.7 | 293 | 71 | 22,700 @ 83 | 955 |
| 21.00-35 | VE-420, CRB | 6QSC25 | E-4 | 201B | 42 | 15.00 / 3.0 | 81.1 | 24.1 | 25.7 | 37.8 | 409 | 71 | 32,000 @ 94 | 1,448 |
| | | | L-4 | 219A2 | | | 81.2 | 24.3 | 26.4 | 36.9 | 516 | | 53,600 @ 123 | |
| 24.00-35 | VE-420, CRB | 6QSF43 | E-4 | 209B | 48 | 17.00 / 3.5 | 81.1 | 23.6 | 27.8 | 39.6 | 428 | 70 | 40,800 @ 94 | 1,695 |
| | | | L-4 | 228A2 | | | N/A | N/A | N/A | N/A | N/A | | 69,500 @ 127 | |
| 24.00-49 | VE-420, CRB | 6QSF49 | E-4 | 215B | 48 | 17.00 / 3.5 | 100.8 | 26.5 | 28.0 | 46.9 | 532 | 70 | 48,100 @ 94 | 2,178 |
| | | | L-4 | 222A2 | | | N/A | N/A | N/A | N/A | N/A | | 85,500 @ 127 | |
| 27.00-49 | VE-420, CRB | 6QSF79 | E-4 | 220B | 48 | 19.50 / 4.0 | 105.8 | 30.8 | 32.9 | 48.9 | 684 | 78 | 55,100 @ 83 | 2,627 |
| | | | L-4 | 239A2 | | | 106.1 | 31.0 | 34.0 | 47.7 | 901 | | 96,500 @ 112 | |
| 30.00-51 | VE-420, CRB | 6QSH30 | E-4 | 226B | 52 | 22.00 / 4.5 | 114.4 | 32.5 | 34.8 | 52.7 | 816 | 85 | 66,000 @ 80 | 3,659 |
| | | | L-4 | 246A2 | | | 114.4 | 32.5 | 34.8 | 52.7 | 816 | | 117,000 @ 109 | |
| 33.00-51 | VE-420, CRB | 6QSJ35 | E-4 | 232B | 58 | 24.00 / 5.0 | 119.1 | 35.9 | 38.2 | 54.7 | 1,053 | 98 | 78,500 @ 83 | 4,013 |
| 36.00-51 | VE-420, CRB | 6QSJ36 | E-4 | 237B | 58 | 26.00 / 5.0 | 127.9 | 40.0 | 42.3 | 58.9 | 1,202 | 100 | 91,000 @ 76 | 5,599 |
| | | | L-4 | 256A2 | | | 128.1 | 40.0 | 44.1 | 56.2 | 1,536 | | 156,500 @ 98 | |

## TITAN HK 458 (E-4/L-4)

- A new, deep-tread, directional, pattern designed to provide greater traction for the most extreme wheel loader conditions
- Premium tread compound resistant to chunking/tearing paired to a high-stability lug design
- The proven cavity shape protects the sidewall throughout the footprint and fits on the standard OTR rim
- Steel belted construction provides maximum penetration resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.5-25 | Steel | 6HK921 | E-4 | 170B | 20 | 17.00 / 2.0 | 59.2 | 20.0 | 21.5 | 26.8 | 328 | 62 | 13,200 @ 47 | 459 |
| | | | L-4 | 186A2 | | | 59.3 | 20.3 | 21.9 | 26.2 | 401 | | 20,900 @ 65 | |
| 23.5-25 | Steel | 6HK923 | E-4 | 177B | 20 | 19.50 / 2.5 | 63.2 | 23.0 | 24.5 | 28.4 | 453 | 68 | 16,100 @ 44 | 578 |
| | | | L-4 | 191A2 | | | 63.2 | 23.1 | 25.0 | 27.7 | 513 | | 24,000 @ 54 | |

## TITAN ND SUPER LCM (E-4) or (E-4/L-4)

- Non-directional tread design with center riding rib provides excellent all-around traction and lateral stability
- Increased tread depth provides extended tread life and exceptional resistance to rock-type damage

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18.00-25 | 6U4W18 | E-4 | 183B | 32 | 13.00 / 2.5 | 65.3 | 20.0 | 21.0 | 30.2 | 248 | 66 | 19,300 @ 83 | 736 |
| 18.00-25 | 6UNB18 | E-4 | 187B | 40 | 13.00 / 2.5 | 65.4 | 20.1 | 21.0 | 30.2 | 242 | 66 | 21,500 @ 102 | 785 |
| | | L-4 | 206A2 | | | 65.4 | 20.2 | 21.7 | 29.4 | 327 | | 37,500 @ 138 | |


## TITAN SUPER SAND FLOTATION (E-7)

- Rib design provides excellent steering stability and improved lateral traction
- Shallow tread depth provides excellent heat dissipation
- Designed for paving applications

| Tire Size | Catalog # | Tread Design | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.00-24DT | 6DT1D6 | A | E-7 | 182A2 | 12 | 10.00 | 57.5 | 18.8 | 21.2 | 23.2 | 447 | 14 | 18,700 @ 44 | 256 |
| 18.00-25DT | 6DT5D8 | B | E-7 | 189A2 | 16 | 10.00 / 1.5 | 59.2 | 19.8 | 23.1 | 24.2 | 306 | 15 | 22,700 @ 58 | 383 |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## TITAN LIFT RIGGER (G-2)

- Combines thicker, self-cleaning lugs in a directional pattern with a low aspect ratio
- Greater lateral stability and flotation than conventional aerial lift tires

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14.00-24TG | T9C3R4 | G-2 | N/A | 16 | 9.00 | 53.7 | 15.3 | N/A | 23.8 | N/A | 31 | 16,100 @ 80 | 211 |

## TITAN MOTOR GRADER HD (G-2)

- Proven performance tread design with massive lugs, large center overlap to resist buckling, tearing and cracking
- Very durable and resistant to punctures, features a heavy duty tubeless construction

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13.00-24TG | 367333 | G-2 | 143A8 | 12 | 9.00 | 50.5 | 14.2 | N/A | 23.7 | 150 | 29 | 6,000 @ 44 | 159 |
| 13.00-24TG | 36738A | G-2 | 149A8 | 16 | 9.00 | 51.5 | 14.4 | N/A | 23.6 | 160 | 29 | 7,150 @ 54 | 179 |
| 14.00-24TG | 367344 | G-2 | 147A8 | 12 | 9.00 | 54.3 | 15.2 | N/A | 26.0 | 179 | 31 | 6,800 @ 36 | 196 |
| 14.00-24TG | 3673R4 | G-2 | 153A8 | 16 | 10.00 | 54.0 | 15.7 | 15.7 | N/A | 205 | 31 | 8,050 @ 51 | 210 |

## TITAN SUPER GRADER (G-2/L-2)

- Directional, open tread design is self-cleaning, providing excellent traction

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.00-24TG | 3SG666 | G-2 | 160A8 | 16 | 10.00 | 58.8 | 17.5 | N/A | 26.1 | 255 | 35 | 9,900 @ 44 | 309 |
| | | L-2 | 181A2 | | | 58.9 | 17.6 | N/A | 25.7 | 344 | | 18,200 @ 62 | |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

# TITAN LOADER GRADER III (G-2)

- Interlocking center lugs provide excellent steering stability in soft ground
- Open shoulders provide excellent traction and self-cleaning

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13.00-24TG | LG3333 | G-2 | 143A6 | 12 | 8.00 | 51.0 | 14.1 | N/A | 23.4 | 175 | 29 | 6,000 @ 44 | 149 |
| 14.00-24TG | LG3344 | G-2 | 172A2 | 12 | 8.00 | 54.2 | 14.4 | 16.6 | 23.4 | 263 | 31 | 13,900 @ 62 | 169 |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## TITAN LOADER DOZER II (L-2)

- Exceptional performance rating and heavy duty ply ratings
- Laterally designed lugs provide maximum, even traction along the length of lug
- Lugs resist buckling, cracking and tearing

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15.5-25 | 431120 | L-2 | 168A2 | 12 | 12.00 / 1.3 | 50.0 | 15.3 | 17.0 | 22.4 | 222 | 29 | 12,300 @ 58 | 191 |
| 17.5-25 | 431117 | L-2 | 171A2 | 12 | 14.00 / 1.5 | 52.1 | 17.8 | 18.9 | 23.2 | 276 | 32 | 13,600 @ 51 | 224 |
| 20.5-25 | 431121 | L-2 | 174A2 | 12 | 17.00 / 2.0 | 56.8 | 20.9 | 24.8 | 26.0 | 371 | 36 | 14,800 @ 36 | 335 |
| 20.5-25 | 431521 | L-2 | 181A2 | 16 | 17.00 / 2.0 | 57.9 | 21.1 | N/A | 25.5 | 353 | 36 | 18,200 @ 51 | 360 |
| 20.5-25 | 431921 | L-2 | 186A2 | 20 | 17.00 / 2.0 | 58.1 | 21.2 | N/A | 25.5 | 381 | 36 | 20,900 @ 65 | 375 |
| 23.5-25 | 431923 | L-2 | 191A2 | 20 | 19.50 / 2.5 | 63.7 | 23.7 | 25.4 | 27.9 | 426 | 38 | 24,000 @ 54 | 508 |

## TITAN SUPER GRADER (G-2/L-2)

- Directional, open tread design is self-cleaning, providing excellent traction

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.00-24TG | 3SG666 | G-2 | 160A8 | 16 | 10.00 | 58.8 | 17.5 | N/A | 26.1 | 255 | 35 | 9,900 @ 44 | 309 |
| | | L-2 | 181A2 | | | 58.9 | 17.6 | N/A | 25.7 | 344 | | 18,200 @ 62 | |

## TITAN CM 100 (E-3/L-3)

- Rock service tread designed for the challenges of large equipment demands
- Solid centerline tread pattern provides excellent cut resistance, smooth ride and extended wear
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37.5-39 | CRB | 6M2NW9 | E-3 | 225B | 60 | 32.00 / 4.5 | 98.6 | 38.2 | 40.0 | 44.5 | 842 | 66 | 64,000 @ 80 | 2,734 |
| | | | L-3 | 241A2 | | | 98.7 | 38.3 | 40.9 | 43.5 | 1,019 | | 102,000 @ 109 | |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## TITAN SL 100 (E-3/L-3)

- Center riding rib provides a smooth ride and improved lateral stability
- Non-directional tread design pattern provides excellent all-around traction and long wear
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33.25-29 | CRB | 6SLWW4 | E-3 | 202B | 32 | 27.00 / 3.5 | 82.4 | 33.7 | 35.8 | 36.7 | 685 | 53 | 33,100 @ 47 | 1,478 |
| | | | L-3 | 218A2 | | | 82.5 | 33.8 | 36.5 | 35.9 | 849 | | 52,000 @ 65 | |
| 33.25-29 | CRB | 6SLAW4 | E-3 | 205B | 38 | 27.00 / 3.5 | 82.5 | 33.8 | 35.7 | 36.9 | 663 | 53 | 36,400 @ 58 | 1,558 |
| | | | L-3 | 221A2 | | | 82.7 | 34.0 | 36.4 | 36.0 | 821 | | 56,800 @ 76 | |

## TITAN ND LCM (L-3) or (E-3/L-3)

- Non-directional tread design with center riding rib provides excellent all-around traction and lateral stability
- Rock service tread design provides resistance to rock damage and long tread life
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.00-25 | -- | 6N3W65 | L-3 | 196A2 | 32 | 11.25 / 2.0 | 59.3 | 17.5 | 19.2 | 26.6 | 258 | 35 | 27,600 @ 127 | 499 |
| 20.5-25 | -- | 6NNR21 | E-3 | 174B | 24 | 17.00 / 2.0 | 58.0 | 21.2 | 22.3 | 26.3 | 254 | 35 | 14,800 @ 58 | 466 |
| | | | L-3 | 189A2 | | | 58.3 | 21.4 | 22.7 | 25.9 | 302 | | 22,700 @ 76 | |
| 23.5-25 | -- | 6NN923 | E-3 | 177B | 20 | 19.50 / 2.5 | 63.3 | 24.5 | 26.0 | 28.0 | 403 | 39 | 16,100 @ 44 | 527 |
| | | | L-3 | 191A2 | | | 63.4 | 24.7 | 26.4 | 27.3 | 490 | | 24,000 @ 54 | |
| 23.5-25 | -- | 6NNR23 | E-3 | 180B | 24 | 19.50 / 2.5 | 62.7 | 24.2 | 25.3 | 27.8 | 409 | 39 | 17,600 @ 51 | 585 |
| | | | L-3 | 196A2 | | | 63.4 | 24.6 | 26.2 | 27.4 | 449 | | 27,600 @ 69 | |
| 26.5-25 | -- | 6NNW27 | E-3 | 191B | 32 | 22.00 / 3.0 | 69.0 | 27.9 | 28.7 | 31.2 | 346 | 43 | 24,000 @ 58 | 911 |
| | | | L-3 | 206A2 | | | 69.0 | 28.1 | 29.2 | 30.5 | 491 | | 37,500 @ 80 | |
| 26.5-25 | -- | 6NND27 | E-3 | 198B | 44 | 22.00 / 3.0 | 68.6 | 27.2 | 27.6 | 31.5 | 325 | 43 | 29,100 @ 83 | 997 |
| | | | L-3 | 213A2 | | | 68.7 | 27.2 | 28.0 | 30.8 | 425 | | 45,400 @ 112 | |
| 29.5-25 | -- | 6NNUW1 | E-3 | 193B | 28 | 25.00 / 3.5 | 74.5 | 30.1 | 31.5 | 32.9 | 504 | 47 | 25,400 @ 47 | 1,014 |
| | | | L-3 | 207A2 | | | 74.7 | 30.3 | 32.1 | 32.2 | 656 | | 38,600 @ 62 | |
| 29.5-25 | -- | 6NNXW1 | E-3 | 198B | 34 | 25.00 / 3.5 | 74.6 | 30.2 | 31.6 | 32.9 | 495 | 47 | 29,100 @ 58 | 1,090 |
| | | | L-3 | 212A2 | | | 74.8 | 30.4 | 32.1 | 32.2 | 603 | | 44,100 @ 76 | |
| 29.5-29 | -- | 6NNXW2 | E-3 | 200B | 34 | 25.00 / 3.5 | 78.3 | 30.2 | 31.8 | 34.8 | 563 | 47 | 30,900 @ 58 | 1,137 |
| | | | L-3 | 214A2 | | | 78.5 | 30.4 | 32.3 | 34.0 | 634 | | 46,700 @ 76 | |
| CRB | | | | | | | | | | | | | | |
| 33.25-35 | CRB | 6NNKW5 | E-3 | 217B | 56 | 27.00 / 3.5 | 89.2 | 33.3 | 34.7 | 40.2 | 570 | 53 | 50,700 @ 87 | 1,911 |
| | | | L-3 | 232A2 | | | 89.8 | 33.5 | 35.3 | 39.4 | 729 | | 78,500 @ 112 | |
| 37.5-33 | CRB | 6NNMW8 | E-3 | 221B | 54 | 32.00 / 4.5 | 93.7 | 38.3 | 39.0 | 42.2 | 718 | 58 | 56,800 @ 73 | 2,399 |
| | | | L-3 | 235A2 | | | 93.7 | 38.3 | 39.0 | 42.2 | 718 | | 85,500 @ 94 | |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## TITAN SUPER RIGGER (E-3/L-3)

- Non-directional wide tread
- Long wearing tread compound for demanding material handling operations

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13.00-24TG | 49L333 | E-3 | 146B | 12 | 9.00 | 50.4 | 14.7 | N/A | 23.1 | 152 | 31 | 6,600 @ 44 | 225 |
| | | L-3 | 168A2 | | | 49.9 | 14.6 | 15.8 | 22.7 | 195 | | 12,300 @ 65 | |
| 14.00-24TG | 49L344 | E-3 | 150B | 12 | 10.00 | 52.3 | 14.8 | 16.8 | 24.2 | 175 | 32 | 7,400 @ 40 | 222 |
| | | L-3 | 172A2 | | | 53.4 | 14.0 | N/A | 23.7 | 240 | | 13,900 @ 62 | |
| 14.00-24TG | 49L3R4 | E-3 | 156B | 16 | 10.00 | 53.7 | 15.3 | N/A | 23.8 | N/A | 32 | 8,800 @ 54 | 242 |
| | | L-3 | 177A2 | | | N/A | N/A | N/A | N/A | N/A | | 16,100 @ 80 | |
| 14.00-25TG | 49LB65 | E-3 | 168B | 28 | 10.00 / 1.5 | 53.4 | 15.2 | N/A | N/A | N/A | 32 | 12,300 @ 94 | 378 |
| | | L-3 | 189A2 | | | 53.4 | 15.2 | 16.3 | 24.5 | 229 | | 22,700 @ 141 | |

## TITAN CH 150 (E-4/L-4)

- Deep, non-directional tread provides excellent rock-type damage and long tread life
- Solid centerline tread pattern provides smooth ride and excellent lateral traction

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18.00-25 | 6HLB18 | E-4 | 187B | 40 | 13.00 / 2.5 | 65.0 | 20.3 | 21.2 | 30.4 | 281 | 66 | 21,500 @ 102 | 856 |
| | | L-4 | 206A2 | | | 65.1 | 20.4 | 21.7 | 29.7 | 360 | | 37,500 @ 138 | |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## TITAN CM 150 (E-4/L-4)

- Deep, non-directional tread provides excellent rock-type damage resistance and long tread life
- Solid centerline tread pattern provides smooth ride and excellent lateral traction on high tonnage vehicles
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33.25-35 | CRB | 6MLKW5 | E-4<br>L-4 | 217B<br>232A2 | 56 | 27.00 / 3.5 | 90.3<br>N/A | 34.4<br>N/A | N/A<br>N/A | N/A<br>N/A | N/A<br>N/A | 78 | 50,700 @ 87<br>78,500 @ 112 | 2,530 |

## TITAN QUARRY SPECIAL (E-4/L-4)

- "Value Engineered" VE-420 tread designed for excellent chip and cut resistance from shot rock
- Tread designed for traction with deep lugs and center riding rib for a smoother ride
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.00-35 | VE-420, CRB | 6QSC25 | E-4<br>L-4 | 201B<br>219A2 | 42 | 15.00 / 3.0 | 81.1<br>81.2 | 24.1<br>24.3 | 25.7<br>26.4 | 37.8<br>36.9 | 409<br>516 | 71 | 32,000 @ 94<br>53,600 @ 123 | 1,448 |
| 24.00-35 | VE-420, CRB | 6QSF43 | E-4<br>L-4 | 209B<br>228A2 | 48 | 17.00 / 3.5 | 81.1<br>N/A | 23.6<br>N/A | 27.8<br>N/A | 39.6<br>N/A | 428<br>N/A | 70 | 40,800 @ 94<br>69,500 @ 127 | 1,695 |
| 24.00-49 | VE-420, CRB | 6QSF49 | E-4<br>L-4 | 215B<br>222A2 | 48 | 17.00 / 3.5 | 100.8<br>N/A | 26.5<br>N/A | 28.0<br>N/A | 46.9<br>N/A | 532<br>N/A | 70 | 48,100 @ 94<br>85,500 @ 127 | 2,178 |
| 27.00-49 | VE-420, CRB | 6QSF79 | E-4<br>L-4 | 220B<br>239A2 | 48 | 19.50 / 4.0 | 105.8<br>106.1 | 30.8<br>31.0 | 32.9<br>34.0 | 48.9<br>47.7 | 684<br>901 | 78 | 55,100 @ 83<br>96,500 @ 112 | 2,627 |
| 30.00-51 | VE-420, CRB | 6QSH30 | E-4<br>L-4 | 226B<br>246A2 | 52 | 22.00 / 4.5 | 114.4<br>114.4 | 32.5<br>32.5 | 34.8<br>34.8 | 52.7<br>52.7 | 816<br>816 | 85 | 66,000 @ 80<br>117,000 @ 109 | 3,659 |
| 33.00-51 | VE-420, CRB | 6Q4J35 | E-4<br>L-4 | 232B<br>252A2 | 58 | 24.00 / 5.0 | 119.1<br>N/A | 35.9<br>N/A | 38.2<br>N/A | 54.7<br>N/A | 1,053<br>N/A | 98 | 78,500 @ 83<br>139,000 @ 112 | 4,218 |
| 36.00-51 | VE-420, CRB | 6QSJ36 | E-4<br>L-4 | 237B<br>256A2 | 58 | 26.00 / 5.0 | 127.9<br>128.1 | 40.0<br>40.0 | 42.3<br>44.1 | 58.9<br>56.2 | 1,202<br>1,536 | 100 | 91,000 @ 76<br>156,500 @ 98 | 5,599 |

## TITAN SUPER LCM (L-4)

- Increased tread depth provides extended tread life and exceptional resistance to rock-type damage
- Directional tread design provides excellent traction

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.00-25 | 6L4W65 | L-4 | 196A2 | 32 | 11.25 / 2.0 | 60.4 | 17.5 | 19.0 | 27.4 | 284 | 52 | 27,600 @ 127 | 551 |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

# TITAN LD 150 (L-4)

IMPROVED PROFITABILITY

INCREASED HEAT RESISTANCE

COST EFFECTIVE

## Key Benefits

- Deep tread provides excellent rock-type damage resistance and long tread life
- Non-directional, solid centerline tread pattern provides excellent cut resistance, smooth ride and extended wear
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance
- Belted 7x7 - Features 7x7 steel belted construction, which provides increased cut resistance and extended wear

## Application(s)

OFFERS REDUCED HEAT BUILD-UP FOR LONGER WEAR

DEEPER TREAD THAN STANDARD E-3/L-3

**USED IN:** LOADER APPLICATIONS THAT NEED L-5 PROTECTION

| | Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CRB | 23.5-25 | CRB | 6DER23 | L-4 | 196A2 | 24 | 19.50 / 2.5 | 67.6 | 24.9 | 26.3 | 29.9 | 429 | 66 | 27,600 @ 69 | 751 |
| | 29.5-25 | CRB | 6DEUW1 | L-4 | 207A2 | 28 | 25.00 / 3.5 | 76.2 | 30.8 | 33.2 | 33.6 | 608 | 70 | 38,600 @ 62 | 1,384 |
| Belted 7x7 | 35/65-33 | Belted 7x7 | 6DLC6B | L-4 | 222A2 | 42 | 28.00 / 3.5 | 81.8 | 35.0 | 36.4 | 37.3 | 657 | 70 | 58,400 @ 91 | 2,336 |

REDUCED DOWNTIME

INCREASED PUNCTURE RESISTANCE

INCREASED CUT RESISTANCE

CROSSOVER

INCREASED TRACTION

INCREASED FLOTATION

# TITAN HK 458 (E-4/L-4)

## Key Benefits

- A new, deep-tread, directional, pattern designed to provide greater traction for the most extreme wheel loader conditions
- Premium tread compound resistant to chunking/tearing paired to a high-stability lug design
- The proven cavity shape protects the sidewall throughout the footprint and fits on the standard OTR rim
- Steel belted construction provides maximum penetration resistance


## Application(s)

HYBRID LOADER TIRE FOR EXTREMELY WET & MUCKY CONDITIONS

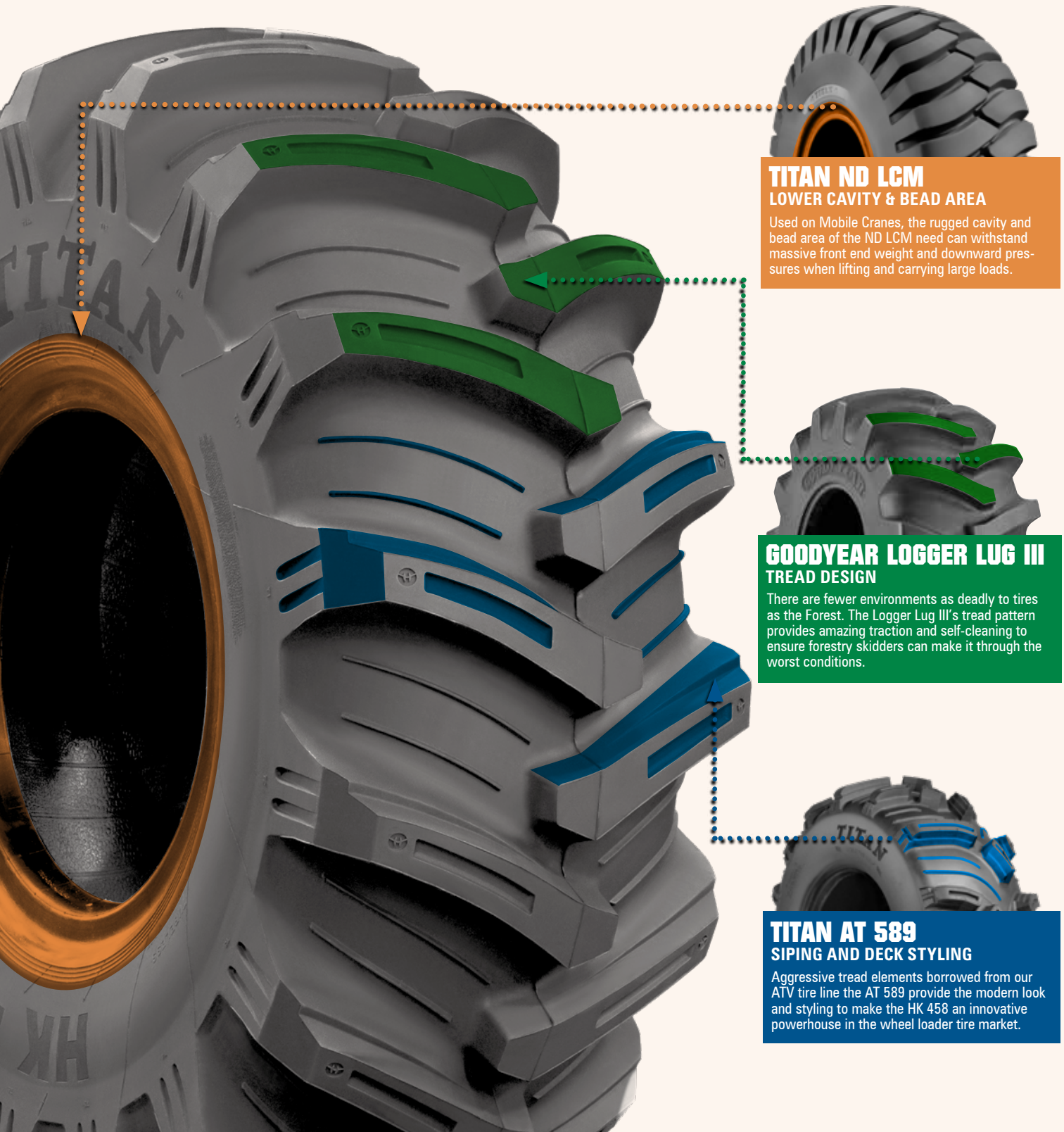
AGGRESSIVE TRACTION, PHENOMENAL SELF-CLEANING

**USED IN:** FEEDLOTS, DAIRIES AND LAND DEVELOPMENT

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.5-25 | Steel | 6HK921 | E-4 | 170B | 20 | 17.00 / 2.0 | 59.2 | 20.0 | 21.5 | 26.8 | 328 | 62 | 13,200 @ 47 | 459 |
| | | | L-4 | 186A2 | | | 59.3 | 20.3 | 21.9 | 26.2 | 401 | | 20,900 @ 65 | |
| 23.5-25 | Steel | 6HK923 | E-4 | 177B | 20 | 19.50 / 2.5 | 63.2 | 23.0 | 24.5 | 28.4 | 453 | 68 | 16,100 @ 44 | 578 |
| | | | L-4 | 191A2 | | | 63.2 | 23.1 | 25.0 | 27.7 | 513 | | 24,000 @ 54 | |

# TITAN HK 458 TIRE DEVELOPMENT

Borrowing from tread elements covering multiple applications, the HK 458 has been meticulously engineered to provide unsurpassed strength and durability, tremendous traction in dirt/gravel, and superior self-cleaning, all in a modern aggressive design.



## TITAN ND LCM
### LOWER CAVITY & BEAD AREA

Used on Mobile Cranes, the rugged cavity and bead area of the ND LCM need can withstand massive front end weight and downward pressures when lifting and carrying large loads.

## GOODYEAR LOGGER LUG III
### TREAD DESIGN

There are fewer environments as deadly to tires as the Forest. The Logger Lug III's tread pattern provides amazing traction and self-cleaning to ensure forestry skidders can make it through the worst conditions.

## TITAN AT 589
### SIPING AND DECK STYLING

Aggressive tread elements borrowed from our ATV tire line the AT 589 provide the modern look and styling to make the HK 458 an innovative powerhouse in the wheel loader tire market.

## TITAN LS 150 (L-4T)

- For use on wheel loaders where high flotation and/or extreme traction is required
- Specifically designed for use on a multi-piece OTR wheel
- Open, deep tread pattern provides excellent traction in extreme conditions
- Tread compound designed for increased resistance to tread chunking and tearing
- Steel belted construction provides excellent penetration resistance

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *725/70-25 | LT45M6 | L-4T | 189A2 | 16 | 22.00 / 3.0 | 65.8 | 26.9 | 29.2 | 27.8 | 608 | 72 | 22,700 @ 36 | 697 |

*Replaces 26.5-25


## TITAN LD 250 (L-5)

- Extra deep tread provides excellent rock-type damage resistance and long tread life
- Open non-directional tread pattern provides all-around traction with excellent self cleaning
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance
- Belted 7x7 - Features 7x7 steel belted construction, which provides increased cut resistance and extended wear

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CRB | | | | | | | | | | | | | | |
| 20.5-25 | CRB | 6DA921 | L-5 | 186A2 | 20 | 17.00 / 2.0 | 61.9 | 21.2 | 22.2 | 28.1 | 341 | 89 | 20,900 @ 65 | 692 |
| 23.5-25 | CRB | 6DA923 | L-5 | 191A2 | 20 | 19.50 / 2.5 | 67.0 | 24.1 | 25.9 | 29.9 | 427 | 95 | 24,000 @ 54 | 883 |
| 26.5-25 | CRB | 6DAT27 | L-5 | 202A2 | 26 | 22.00 / 3.0 | 71.7 | 27.8 | 29.7 | 32.0 | 533 | 105 | 33,100 @ 65 | 1,292 |
| 29.5-25 | CRB | 6DAUW1 | L-5 | 207A2 | 28 | 25.00 / 3.5 | 75.3 | 29.7 | 31.8 | 33.4 | 634 | 128 | 38,600 @ 62 | 1,586 |
| Belted 7x7 | | | | | | | | | | | | | | |
| 35/65-33 | Belted 7x7 | 6DBC6B | L-5 | 222A2 | 42 | 28.00 / 3.5 | 82.3 | 34.7 | 35.7 | 37.7 | 653 | 115 | 58,400 @ 91 | 2,617 |
| 40/65-39 | Belted 7x7 | 6DBV6C | L-5 | 223A2 | 30 | 32.00 / 4.0 | 94.3 | 39.1 | 40.6 | 42.6 | 936 | 128 | 60,000 @ 54 | 3,446 |
| 41.25/70-39 | Belted 7x7 | 6DBC6D | L-5 | 234A2 | 42 | 32.00 / 4.5 | 99.3 | 42.0 | 43.9 | 44.8 | 1,106 | 140 | 82,500 @ 69 | 4,379 |
| 45/65-45 | Belted 7x7 | 6DBJ7E | L-5 | 244A2 | 58 | 36.00 / 4.5 | 108.5 | 44.2 | 45.6 | 49.3 | 1,212 | 140 | 110,000 @ 98 | 5,712 |

## TITAN LD 250 HAF-TRAC (L-5/L-5S)

- Extra deep tread depth provides long tread life in extreme conditions
- Smooth tread used on the outside provides excellent rock-type damage resistance, while the pattern on the inside provides increased traction
- Features 7x7 steel belted construction, which provides increased cut resistance and extended wear

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35/65-33 | Belted 7x7 | 6HBC6B | L-5/L-5S | 222A2 | 42 | 28.00 / 3.5 | 82.3 | 34.7 | 35.7 | 37.7 | 653 | 115 | 58,400 @ 91 | 2,739 |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

# TITAN LD 250 SUPER SMOOTH (L-5S)

## Key Benefits

- Extra deep tread depth provides long tread life in extreme conditions
- Smooth tread design provides the maximum rock-type damage resistance
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance
- CAB - Features Cushion Armor Breaker steel belted construction, which provides increased cut resistance
- Belted 7x7 - Features 7x7 steel belted construction, which provides increased cut resistance and extended wear

INCREASED PUNCTURE RESISTANCE

REDUCED DOWNTIME

IMPROVED TREAD WEAR

INCREASED STABILITY

## Application(s)

EXTREME LOADER APPLICATIONS
WHERE CUT PROTECTION IS TOP PRIORITY

MORE TREAD CONTACT = LONGER LIFE

**USED IN:** STEEL MILLS AND OPEN PIT MINES

| | Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CRB | 23.5-25 | CRB | 6WAR23 | L-5S | 196A2 | 24 | 19.50 / 2.5 | 67.1 | 24.2 | 25.9 | 29.9 | 433 | 95 | 27,600 @ 69 | 1,065 |
| | 26.5-25 | CRB | 6WAW27 | L-5S | 206A2 | 32 | 22.00 / 3.0 | 71.8 | 28.0 | 29.5 | 32.1 | 527 | 105 | 37,500 @ 80 | 1,599 |
| CAB | 29.5-25 | CAB | 6WAXW1 | L-5S | 212A2 | 34 | 25.00 / 3.5 | 75.5 | 29.9 | 31.8 | 33.4 | 639 | 128 | 44,100 @ 76 | 1,999 |
| Belted 7x7 | 35/65-33 | Belted 7x7 | 6SBC6B | L-5S | 222A2 | 42 | 28.00 / 3.5 | 82.3 | 34.7 | 35.7 | 37.7 | 653 | 115 | 58,400 @ 91 | 2,913 |
| | 41.25/70-39 | Belted 7x7 | 6SBC6D | L-5S | 234A2 | 42 | 32.00 / 4.5 | 99.3 | 42.0 | 43.9 | 44.8 | 1,106 | 140 | 82,500 @ 69 | 4,815 |
| | 45/65-45 | Belted 7x7 | 6SBJ7E | L-5S | 244A2 | 58 | 36.00 / 4.5 | 108.5 | 44.2 | 45.6 | 49.3 | 1,212 | 140 | 110,000 @ 98 | 6,349 |

## TITAN LCM (L-3)

- Compact tread design provides excellent tread wear
- Directional tread design provides excellent traction
- "Value Engineered" VE-610 tread designed for long wear on concrete and asphalt

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.00-25 | VE-610 | 6C1B22 | L-3 | 213A2 | 40 | 15.00 / 3.0 | 70.7 | 23.6 | 25.4 | 31.1 | 513 | 43 | 45,400 @ 120 | 928 |

## TITAN CM 100 (E-3/L-3)

- Rock service tread designed for the challenges of large equipment demands
- Solid centerline tread pattern provides excellent cut resistance, smooth ride and extended wear
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37.5-39 | CRB | 6M2NW9 | E-3 | 225B | 60 | 32.00 / 4.5 | 98.6 | 38.2 | 40.0 | 44.5 | 842 | 66 | 64,000 @ 80 | 2,734 |
| | | | L-3 | 241A2 | | | 98.7 | 38.3 | 40.9 | 43.5 | 1,019 | | 102,000 @ 109 | |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## TITAN ND LCM (L-3), (E-3/L-3), or (IND-3)

- Non-directional tread design with center riding rib provides excellent all-around traction and lateral stability
- Rock service tread design provides resistance to rock damage and long tread life
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.00-25 | -- | 6N3W65 | L-3 | 196A2 | 32 | 11.25 / 2.0 | 59.3 | 17.5 | 19.2 | 26.6 | 258 | 35 | 27,600 @ 127 | 499 |
| 20.5-25 | -- | 6NNR21 | E-3 | 174B | 24 | 17.00 / 2.0 | 58.0 | 21.2 | 22.3 | 26.3 | 254 | 35 | 14,800 @ 58 | 466 |
| | | | L-3 | 189A2 | | | 58.3 | 21.4 | 22.7 | 25.9 | 302 | | 22,700 @ 76 | |
| 23.5-25 | -- | 6NN923 | E-3 | 177B | 20 | 19.50 / 2.5 | 63.3 | 24.5 | 26.0 | 28.0 | 403 | 39 | 16,100 @ 44 | 527 |
| | | | L-3 | 191A2 | | | 63.4 | 24.7 | 26.4 | 27.3 | 490 | | 24,000 @ 54 | |
| 23.5-25 | -- | 6NNR23 | E-3 | 180B | 24 | 19.50 / 2.5 | 62.7 | 24.2 | 25.3 | 27.8 | 409 | 39 | 17,600 @ 51 | 585 |
| | | | L-3 | 196A2 | | | 63.4 | 24.6 | 26.2 | 27.4 | 449 | | 27,600 @ 69 | |
| 26.5-25 | -- | 6NNW27 | E-3 | 191B | 32 | 22.00 / 3.0 | 69.0 | 27.9 | 28.7 | 31.2 | 346 | 43 | 24,000 @ 58 | 911 |
| | | | L-3 | 206A2 | | | 69.0 | 28.1 | 29.2 | 30.5 | 491 | | 37,500 @ 80 | |
| 26.5-25 | -- | 6NND27 | E-3 | 198B | 44 | 22.00 / 3.0 | 68.6 | 27.2 | 27.6 | 31.5 | 325 | 43 | 29,100 @ 83 | 997 |
| | | | L-3 | 213A2 | | | 68.7 | 27.2 | 28.0 | 30.8 | 425 | | 45,400 @ 112 | |
| 29.5-25 | -- | 6NNUW1 | E-3 | 193B | 28 | 25.00 / 3.5 | 74.5 | 30.1 | 31.5 | 32.9 | 504 | 47 | 25,400 @ 47 | 1,014 |
| | | | L-3 | 207A2 | | | 74.7 | 30.3 | 32.1 | 32.2 | 656 | | 38,600 @ 62 | |
| 29.5-25 | -- | 6NNXW1 | E-3 | 198B | 34 | 25.00 / 3.5 | 74.6 | 30.2 | 31.6 | 32.9 | 495 | 47 | 29,100 @ 58 | 1,090 |
| | | | L-3 | 212A2 | | | 74.8 | 30.4 | 32.1 | 32.2 | 603 | | 44,100 @ 76 | |
| 29.5-29 | -- | 6NNXW2 | E-3 | 200B | 34 | 25.00 / 3.5 | 78.3 | 30.2 | 31.8 | 34.8 | 563 | 47 | 30,900 @ 58 | 1,137 |
| | | | L-3 | 214A2 | | | 78.5 | 30.4 | 32.3 | 34.0 | 634 | | 46,700 @ 76 | |
| CRB | | | | | | | | | | | | | | |
| 33.25-35 | CRB | 6NNKW5 | E-3 | 217B | 56 | 27.00 / 3.5 | 89.2 | 33.3 | 34.7 | 40.2 | 570 | 53 | 50,700 @ 87 | 1,911 |
| | | | L-3 | 232A2 | | | 89.8 | 33.5 | 35.3 | 39.4 | 729 | | 78,500 @ 112 | |
| 33.5-33 | CRB | NN3GW6 | IND-3 | 230A2 | 50 | 28.00 / 4.0 | 88.5 | 34.7 | N/A | N/A | N/A | 53 | 74,000 @ 98 | 1,926 |
| 37.5-33 | CRB | 6NNMW8 | E-3 | 221B | 54 | 32.00 / 4.5 | 93.7 | 38.3 | 39.0 | 42.2 | 718 | 58 | 56,800 @ 73 | 2,399 |
| | | | L-3 | 235A2 | | | 93.7 | 38.3 | 39.0 | 42.2 | 718 | | 85,500 @ 94 | |

## TITAN CH 150 (E-4/L-4)

- Deep, non-directional tread provides excellent rock-type damage and long tread life
- Solid centerline tread pattern provides smooth ride and excellent lateral traction

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18.00-25 | 6HLB18 | E-4 | 187B | 40 | 13.00 / 2.5 | 65.0 | 20.3 | 21.2 | 30.4 | 281 | 66 | 21,500 @ 102 | 856 |
| | | L-4 | 206A2 | | | 65.1 | 20.4 | 21.7 | 29.7 | 360 | | 37,500 @ 138 | |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## TITAN CM 150 (E-4/L-4)

- Deep, non-directional tread provides excellent rock-type damage resistance and long tread life
- Solid centerline tread pattern provides smooth ride and excellent lateral traction on high tonnage vehicles
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18.00-33 | -- | 6M5B83 | E-4 | 193B | 40 | 13.00 / 2.5 | 74.2 | 20.8 | 21.9 | 34.8 | 290 | 71 | 25,400 @ 102 | 1,087 |
| | | | L-4 | 212A2 | | | 74.5 | 21.0 | 22.5 | 34.0 | 378 | | 44,100 @ 138 | |
| CRB | | | | | | | | | | | | | | |
| 33.25-35 | CRB | 6MLKW5 | E-4 | 217B | 56 | 27.00 / 3.5 | 90.3 | 34.4 | N/A | N/A | N/A | 78 | 50,700 @ 87 | 2,530 |
| | | | L-4 | 232A2 | | | N/A | N/A | N/A | N/A | N/A | | 78,500 @ 112 | |
| 37.25-35 | CRB | NM4FW7 | IND-4 | 233A2 | 48 | 31.00 / 4.0 | 94.8E | 36.8E | N/A | N/A | N/A | 87 | 80,500 @ 87 | 2,718 |

## TITAN QUARRY SPECIAL (E-4/L-4)

- "Value Engineered" VE-420 tread designed for excellent chip and cut resistance from shot rock
- Tread designed for traction with deep lugs and center riding rib for a smoother ride
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.00-35 | VE-420, CRB | 6QSC25 | E-4 | 201B | 42 | 15.00 / 3.0 | 81.1 | 24.1 | 25.7 | 37.8 | 409 | 71 | 32,000 @ 94 | 1,448 |
| | | | L-4 | 219A2 | | | 81.2 | 24.3 | 26.4 | 36.9 | 516 | | 53,600 @ 123 | |
| 24.00-35 | VE-420, CRB | 6QSF43 | E-4 | 209B | 48 | 17.00 / 3.5 | 81.1 | 23.6 | 27.8 | 39.6 | 428 | 70 | 40,800 @ 94 | 1,695 |
| | | | L-4 | 228A2 | | | N/A | N/A | N/A | N/A | N/A | | 69,500 @ 127 | |
| 24.00-49 | VE-420, CRB | 6QSF49 | E-4 | 215B | 48 | 17.00 / 3.5 | 100.8 | 26.5 | 28.0 | 46.9 | 532 | 70 | 48,100 @ 94 | 2,178 |
| | | | L-4 | 222A2 | | | N/A | N/A | N/A | N/A | N/A | | 85,500 @ 127 | |
| 27.00-49 | VE-420, CRB | 6QSF79 | E-4 | 220B | 48 | 19.50 / 4.0 | 105.8 | 30.8 | 32.9 | 48.9 | 684 | 78 | 55,100 @ 83 | 2,627 |
| | | | L-4 | 239A2 | | | 106.1 | 31.0 | 34.0 | 47.7 | 901 | | 96,500 @ 112 | |
| 30.00-51 | VE-420, CRB | 6QSH30 | E-4 | 226B | 52 | 22.00 / 4.5 | 114.4 | 32.5 | 34.8 | 52.7 | 816 | 85 | 66,000 @ 80 | 3,659 |
| | | | L-4 | 246A2 | | | 114.4 | 32.5 | 34.8 | 52.7 | 816 | | 117,000 @ 109 | |
| 33.00-51 | VE-420, CRB | 6Q4J35 | E-4 | 232B | 58 | 24.00 / 5.0 | 119.1 | 35.9 | 38.2 | 54.7 | 1,053 | 98 | 78,500 @ 83 | 4,218 |
| | | | L-4 | 252A2 | | | N/A | N/A | N/A | N/A | N/A | | 139,000 @ 112 | |
| 36.00-51 | VE-420, CRB | 6QSJ36 | E-4 | 237B | 58 | 26.00 / 5.00 | 127.9 | 40.0 | 42.3 | 58.9 | 1,202 | 100 | 91,000 @ 76 | 5,599 |
| | | | L-4 | 256A2 | | | 128.1 | 40.0 | 44.1 | 56.2 | 1,536 | | 156,500 @ 98 | |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

# TITAN SM 150 (IND-4)

## Key Benefits

- Deep tread, solid center and large contact area provide damage resistance and long tread life
- Self-cleaning grooves provide excellent traction
- CRB - Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance
- VE-420 (Valued Engineered) tread designed for excellent chip and cut resistance from shot rock

INCREASED CUT RESISTANCE

IMPROVED TREAD WEAR

REDUCED DOWNTIME

INCREASED PUNCTURE RESISTANCE

INCREASED STABILITY

## Application(s)

"THE TIRE" FOR INDUSTRIAL SERVICE

HEAVY SIDE WALL FOR INCREASED STABILITY

**USED IN:** STEEL MILLS, POT/SLAB CARRIERS, LARGER CRANES

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.00-57 | VE-420, CRB | 6SG473 | IND-4 | 268A2 | 78 | 27.00 / 6.0 | 141.7 | 44.5 | 48.8 | 62.2 | 1,976 | 105 | 220,500 @ 120 | 7,636 |

## TITAN ND SUPER LCM (E-4/L-4)

- Non-directional tread design with center riding rib provides excellent all-around traction and lateral stability
- Increased tread depth provides extended tread life and exceptional resistance to rock-type damage

| Tire Size | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18.00-25 | 6UNB18 | E-4 | 187B | 40 | 13.00 / 2.5 | 65.4 | 20.1 | 21.0 | 30.2 | 242 | 66 | 21,500 @ 102 | 785 |
| | | L-4 | 206A2 | | | 65.4 | 20.2 | 21.7 | 29.4 | 327 | | 37,500 @ 138 | |

## TITAN SUPER SMOOTH (L-4S)

- Deep tread depth provides extended tread life
- Smooth tread design provides maximum damage resistance
- "Value Engineered" VE-610 tread designed for long wear on concrete and asphalt

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18.00-25 | VE-610 | 646B18 | L-4S | 206A2 | 40 | 13.00 / 2.5 | 65.6 | 20.4 | 21.6 | 30.1 | 302 | 66 | 37,500 @ 138 | 950 |
| 18.00-33 | VE-610 | 646B83 | L-4S | 212A2 | 40 | 13.00 / 2.5 | 74.1 | 20.6 | 21.9 | 34.3 | 357 | 66 | 44,100 @ 138 | 1,163 |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

# TITAN LD 250 SUPER SMOOTH UGM (L-5S)

- Extra deep tread depth provides long tread life in extreme conditions
- Smooth tread design provides the maximum rock-type damage resistance
- UGM – Special tread designed specifically to handle the harsh conditions of underground mining
- CRB – Features Aralon®* Cut Resistant Breaker construction, which provides increased strength and durability without sacrificing heat resistance
- CAB - Features Cushion Armor Breaker steel belted construction, which provides increased cut resistance
- Belted 7x7 - Features 7x7 steel belted construction, which provides increased cut resistance and extended wear

| Tire Size | Compound/ Construction | Catalog # | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.00-24NHS | UGM | SBT912 | L-5S | 175A2 | 20 | 8.50 | 48.3 | 12.5 | 14.0 | 21.8 | N/A | 77 | 15,200 @ 120 | 341 |
| 18.00-25 | UGM, CRB | UGMW18 | L-5S | 202A2 | 32 | 13.00 / 2.5 | 65.6 | 20.4 | 21.6 | 30.1 | 302 | 99 | 33,100 @ 109 | 1,041 |
| 26.5-25 | UGM, CRB | 6SUW27 | L-5S | 206A2 | 32 | 22.00 / 3.0 | 71.8 | 28.0 | 29.5 | 32.1 | 527 | 105 | 37,500 @ 80 | 1,609 |
| 29.5-25 | UGM, CAB | 6CUXW1 | L-5S | 212A2 | 34 | 25.00 / 3.5 | 75.5 | 29.9 | 31.8 | 33.4 | 639 | 128 | 44,100 @ 76 | 2,011 |
| 29.5-29 | UGM, CRB | 6SUXW2 | L-5S | 214A2 | 34 | 25.00 / 3.5 | 79.2 | 29.8 | 31.6 | 35.4 | 672 | 115 | 46,700 @ 76 | 1,996 |
| 35/65-33 | UGM, 7x7 | 67UC6B | L-5S | 222A2 | 42 | 28.00 / 3.5 | 82.3 | 34.7 | 35.7 | 37.7 | 653 | 115 | 58,400 @ 91 | 2,867 |

## GOODYEAR LOGGER LUG III (LS-2)

- Optimal lug angle provides optimized balance between traction and cut resistance
- Special forestry compound for increased resistance to tread chunking and tearing
- Steel belt construction provides excellent penetration resistance

| Tire Size | Catalog # | TL/ TT | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23.1-26 | YL3586 | TL | LS-2 | 160A6 | 16 | DW20B | 63.8 | 24.2 | 25.4 | 29.5 | 302 | 72 | 9,900 @ 35 | 640 |
| | | | | 172A2 | | | 63.8 | 24.2 | 26.1 | 28.7 | N/A | | 13,900 @ 40 | |
| 24.5-32 | YL3999 | TL | LS-2 | 170A6 | 20 | DH21 | 70.4 | 24.5 | 25.5 | 32.8 | 398 | 64 | 13,200 @ 40 | 777 |
| | | | | 182A2 | | | 70.5 | 24.3 | 25.8 | 32.3 | 510 | | 18,700 @ 45 | |

## GOODYEAR LOGGER LUG III FLOTATION (HF-3+) or (HF-4)

- Extra-wide tread for high flotation in wet terrain while providing low ground penetration to minimize environmental impact
- Special forestry compound for increased resistance to tread chunking and tearing
- Four steel belted construction provides excellent penetration resistance

| Tire Size | Catalog # | TT/ TL | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66X43.00-25NHS | YL39F3 | TL | HF-4 | 174B | 20 | 36.0TH | 69.4 | 41.2 | 41.5 | 32.9 | N/A | 112 | 14,800 @ 50 | 1,482 |
| | | | | 190A2 | | | 69.4 | 41.2 | 41.5 | 32.9 | N/A | | 23,400 @ 50 | |
| 66X43.00-26NHS | YL39F6 | TL | HF-4 | 174B | 20 | DW36B | 69.4 | 41.2 | 41.5 | 32.9 | N/A | 112 | 14,800 @ 50 | 1,475 |
| | | | | 190A2 | | | 69.4 | 41.2 | 41.5 | 32.9 | N/A | | 23,400 @ 50 | |
| 67X34.00-25NHS | YL33R3 | TL | HF-4 | 170B | 14 | 30.0TH | 69.2 | 34.3 | 34.7 | 32.4 | 420 | 118 | 13,200 @ 40 | 1,361 |
| | | | | 186A2 | | | 69.2 | 34.3 | 35.2 | 31.4 | 580 | | 20,900 @ 40 | |
| 67X34.00-26NHS | YL3R65 | TL | HF-4 | 170B | 14 | DW30B | 69.2 | 34.3 | 34.7 | 32.4 | 420 | 118 | 13,200 @ 40 | 1,361 |
| | | | | 186A2 | | | 69.2 | 34.3 | 35.2 | 31.4 | 580 | | 20,900 @ 40 | |
| DH73X44.00-32 | YL39R6 | TL | HF-3+ | 180B | 20 | DH36HB | 74.2 | 41.8 | 41.9 | 35.4 | 504 | 104 | 17,600 @ 50 | 1,615 |
| | | | | 196A2 | | | N/A | N/A | N/A | N/A | N/A | | 27,600 @ 50 | |
| DH73X50.00-32 | YL39V6 | TL | HF-3+ | 179B | 20 | DH44HB | 74.4 | 49.1 | 49.2 | 36.8 | 647 | 104 | 17,100 @ 45 | 1,931 |
| | | | | 195A2 | | | 74.4 | 49.1 | N/A | N/A | N/A | | 26,800 @ 45 | |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

# GOODYEAR LOGGER LUG III HD (LS-2)

## Key Benefits

- Twice as much steel armor construction as standard Logger Lug III for excellent penetration resistance
- Special forestry compound for increased resistance to tread chunking and tearing
- Improved lug stability and wear

REDUCED DOWNTIME

IMPROVED PROFITABILITY

INCREASED TRACTION

INCREASED PUNCTURE RESISTANCE

INCREASED FLOTATION

## Application(s)

SPECIAL FORESTRY TREAD AND SIDEWALL

INCREASED CUT/PUNCTURE RESISTANCE

WIDER BELTS THAN THE COMPETITION

| Tire Size | Compound/ Construction | Catalog # | TT/ TL | Industry Code | Load/ Speed Index | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area (in²) | Tread Depth (32nd in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28L-26 | HD | YL7998 | TL | LS-2 | 165A6 | 20 | DW25B | 65.2 | 27.8 | 28.5 | 29.7 | 401 | 74 | 11,400 @ 35 | 743 |
| | | | | | 177A2 | | | N/A | N/A | N/A | N/A | N/A | | 16,100 @ 40 | |
| 30.5L-32 | HD | YL7T96 | TL | LS-2 | 176A6 | 26 | DH27 | 74.1 | 30.0 | 30.8 | 34.0 | 415 | 70 | 15,700 @ 40 | 1,014 |
| | | | | | 188A2 | | | 74.1 | 30.1 | 31.2 | 33.3 | 511 | | 22,000 @ 45 | |
| 30.5L-32 | HD | YL7W96 | TL | LS-2 | 180A6 | 32 | DH27 | 74.1 | 30.0 | 30.8 | 34.0 | 415 | 70 | 17,600 @ 50 | 1,038 |
| | | | | | 192A2 | | | 74.1 | 30.1 | 31.4 | 33.1 | 511 | | 24,700 @ 55 | |
| DH35.5L-32 | HD | YL7TD5 | TL | LS-2 | 183A6 | 26 | DH31 | 78.9 | 35.7 | 36.6 | 36.6 | 576 | 75 | 19,300 @ 35 | 1,388 |
| | | | | | 195A2 | | | 78.8 | 35.8 | 37.4 | 35.4 | 685 | | 26,800 @ 40 | |
| DH35.5L-32 | HD | YL7VD5 | TL | LS-2 | 186A6 | 30 | DH31 | 78.9 | 35.9 | 36.9 | 36.0 | 597 | 75 | 20,900 @ 40 | 1,434 |
| | | | | | 198A2 | | | 78.9 | 35.9 | 36.9 | 35.3 | 696 | | 29,100 @ 45 | |

# TITAN ROAD ROLLER II (C-1)

- Constructed of superior heat resistant nylon fabric plies to promote heat dissipation
- Designed for maximum life, this tire is frequently the tire of choice for industrial compactor applications

| Tire Size | Catalog # | Industry Code | Load Rating | Recom'd Rim Code | Outside Diameter (in) | Overall Width (in) | Static Loaded Width (in) | Static Loaded Radius (in) | Flat Plate Area ($in^2$) | Tread Depth ($32^{nd}$ in) | Rated Load @ Inflation (lbs @ psi) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.50-15NHS | 3GR2E1F | C-1 | 14 | 6.00 | 30.8 | 8.1 | N/A | 14.1 | N/A | N/A | 6,300 @ 125 | 58 |
| 8.5/90-15K | 3GR3A2 | C-1 | 6 | 5.50F | 30.9 | 8.1 | N/A | 13.7 | N/A | N/A | 3,900 @ 50 | 54 |





See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## GOODYEAR IT515 HS (R-4)

- Designed for backhoe/loader operations
- More lugs for improved puncture resistance
- Better durability provided by the natural shaped carcass

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19.5L-24 | 4H5161 | TL | 12 | 34 | 7,600 | **DW16A**, DW16L | 20.2 | 52.5 | 23.7 | 156 | 34 | -- | 625 |

## GOODYEAR IT520 (R-4)

- Outstanding soft soil traction
- Reinforced lugs for deeper grip and extended wear
- Industrial use applications

| Tire Size | Catalog # | TL/ TT | Load Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 460/70R24IND | 4528A4 | TL | 159A8/B | 58 | 9,650 | W14L, DW14L, **W15L**, DW15L, DW16L | 18.1 | 49.4 | 22.2 | 145 | 42 | -- | 600 |

IMPROVED PROFITABILITY

ROADABILITY

INCREASED PUNCTURE RESISTANCE

IMPROVED TREAD WEAR

# GOODYEAR IT525 (R-4)

## Key Benefits

- Solid performance on rock-hard ground
- Increased wear and performance on hard surfaces
- Excellent traction in soft soils


## Application(s)

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.9-24 | 45T145 | TL | 12 | 38 | 7,150 | DW14L, **W15L**, DW15L | 16.9 | 51.0 | 23.0 | 151 | 33 | 39 | 625 |
| 16.9-28 | 45T148 | TL | 12 | 38 | 7,600 | DW14L, **W15L**, DW15L | 16.8 | 55.3 | 25.0 | 163 | 33 | 41 | 675 |
| 18.4-24 | 45T164 | TL | 12 | 36 | 8,250 | W15L, **W16A**, W16L | 18.4 | 54.1 | 24.2 | 160 | 34 | 40 | 650 |
| 19.5L-24 | 45T161 | TL | 12 | 34 | 7,600 | **DW16A**, DW16L | 20.1 | 52.5 | 23.8 | 155 | 34 | -- | 625 |
| 21L-24 | 45T175 | TL | 12 | 32 | 8,550 | **DW18A**, DW18L | 21.5 | 53.9 | 24.0 | 158 | 34 | 40 | 650 |
| 21L-24 | 45T575 | TL | 16 | 40 | 9,900 | **DW18A**, DW18L | 20.8 | 54.2 | 24.3 | 160 | 34 | 40 | 650 |
| 21L-28 | 45T376 | TL | 14 | 36 | 9,900 | **DW18A** | 20.9 | 57.1 | 26.1 | 170 | 34 | -- | 700 |

## GOODYEAR IT530 (R-4)

- Excellent hard soil traction
- High puncture resistance
- Refined road comfort

| Tire Size | Catalog # | TL/ TT | Load Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500/70R24 | 453661 | TL | 157A8/B | 46 | 9,100 | W15L, DW15L, W16L, **DW16A**, DW16L, DW18L | 19.5 | 51.2 | 22.8 | 154 | 34 | -- | 625 |
| 540/70R24 | 453675 | TL | 161A8/B | 46 | 10,200 | W16L, DW16A, DW16L, W18L, **DW18A**, DW18L | 21.7 | 53.8 | 23.9 | 161 | 36 | 40 | 650 |

## TITAN INDUSTRIAL TRACTOR LUG (R-4)

- Extra-wide lugs with extensive overlap at the center, designed to resist buckling, tearing and cracking
- Excellent tread wear and roadability, the laterally designed lugs result in even wear

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14.9-24 | 486834 | TL | 8 | 30 | 5,080 | DW11, **W12**, DW12, W13, DW13, DW13L | 15.2 | 48.9 | 22.1 | 144 | 34 | 38 | 600 |
| 420/70-24 | 4866T2 | TL | 6 | 20 | 3,960 | W13, **W15L** | 17.0 | 47.7 | 21.5 | 141 | 35 | -- | 575 |
| 16.9-24 | 486845 | TL | 8 | 28 | 5,840 | DW14L, **W15L**, DW15L | 17.8 | 51.5 | 23.2 | 152 | 35 | -- | 625 |
| 16.9-24 | 486145 | TL | 12 | 38 | 7,150 | DW14L, **W15L**, DW15L | 17.4 | 50.6 | 23.0 | 153 | 35 | -- | 625 |
| 17.5L-24 | 486803 | TL | 8 | 26 | 5,360 | DW14L, **W15L**, DW15L | 17.7 | 49.4 | 22.0 | 144 | 32 | 38 | 600 |
| 17.5L-24 | 486103 | TL | 12 | 36 | 6,600 | DW14L, **W15L**, DW15L | 17.6 | 49.2 | 23.5 | 150 | 32 | 38 | 600 |
| 18.4-24 | 486864 | TL | 8 | 24 | 6,400 | W15L, **W16A**, W16L | 19.4 | 53.5 | 23.8 | 156 | 35 | 40 | 650 |
| 18.4-26 | 486156 | TL | 12 | 36 | 8,800 | W15L, DW15A, DW15L, **DW16A**, DW16L | 19.2 | 56.1 | 25.3 | 165 | 35 | 41 | 675 |
| 18.4-28 | 486058 | TL | 10 | 30 | 7,850 | W15L, DW15L, W16L, **DW16A**, DW16L | 18.8 | 57.8 | 26.4 | 172 | 35 | -- | 700 |
| 19.5L-24 | 486861 | TL | 8 | 24 | 6,000 | W15L, W16L, **DW16A**, DW16L | 19.6 | 52.8 | 23.6 | 155 | 34 | -- | 625 |
| 19.5L-24 | 486161 | TL | 12 | 34 | 7,600 | **DW16A**, DW16L | 19.3 | 51.9 | 23.3 | 153 | 34 | -- | 625 |
| 21L-24 | 486175 | TL | 12 | 32 | 8,550 | **DW18A**, DW18L | 21.4 | 54.0 | 24.1 | 158 | 35 | 40 | 650 |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## GOODYEAR LABORER (F-3)

- Industrial use for rugged applications
- Resists tearing and cracking with special tread compound
- Excellent handling and mobility with its five-rib design

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11L-15SL | 4LT310 | TL | 10 | 52 | 2,340 | **8LB**, 10LB | 10.9 | 30.8 | 14.2 | 92 | 12 | -- | -- |
| 11L-16SL | 4LT317 | TL | 12 | 64 | 2,760 | W8L, **8LB**, W10L, 10LB | 10.9 | 31.6 | 14.7 | 95 | 16 | -- | -- |
| 14.5/75-16.1SL | 4LT388 | TL | 10 | 40 | 3,200 | **W11C** | 14.8 | 36.8 | 17.3 | 111 | 19 | -- | -- |

## TITAN CONTRACTOR (F-3)

- Low section design for loader backhoe applications
- Designed for excellent durability and good road handling characteristics

| Tire Size | Catalog # | TL/ TT | Ply Rating | Load Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11L-16SL | 465317 | TL | 12 | N/A | 64 | 2,760 | W8L, **8LB**, W10L, 10LB | 10.9 | 32.4 | 15.1 | 97 | 15 | -- | -- |
| 14.5/75-16.1SL | 465388 | TL | 10 | N/A | 40 | 3,200 | **W11C** | 13.7 | 35.5 | 16.4 | 105 | 18 | -- | -- |
| 480/45-17 | 4652Q3 | TL | N/A | 134A8/B | 29 | 4,680 | **16.00** | 18.8 | 33.9 | 14.9 | 98 | 15 | -- | -- |

## TITAN CONTRACTOR-T (I-3)

- An implement tire specially designed for high traction applications
- Frequently used on the front of backhoes

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.5/80-18 | 46W3X8 | TL | 6 | 33 | 2,830 | W8, **9**, W9 | 10.7 | 36.1 | 16.6 | 108 | 29 | -- | -- |
| 10.5/80-18 | 46W3J8 | TL | 10 | 54 | 3,840 | W8, **9**, W9 | 10.9 | 35.9 | 16.7 | 108 | 29 | -- | -- |
| 12.5/80-18 | 46W3J9 | TL | 10 | 46 | 4,710 | **9**, W9, 11 | 12.1 | 38.3 | 18.0 | 116 | 31 | -- | -- |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## TITAN CONTRACTOR II (I-3)

- More robust design for use on the front of large backhoes

| Tire Size | Catalog # | TL/ TT | Ply Rating | Load Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.5/80-18 | 42E3T7 | TL | 12 | 139A8 | 56 | 5,360 | **9**, W9, 11 | 12.5 | 38.8 | 17.5 | 115 | 32 | -- | -- |

## TITAN TI422 (I-3)

- Designed for low horsepower traction requirements, the TI422 offers good roadability and excellent durability

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.5/80-18NHS | 4223J9 | TL | 10 | 46 | 4,680 | **9**, W9, 11 | 12.0 | 38.8 | 17.4 | 114 | 34 | -- | -- |

## GOODYEAR SURE GRIP LUG (I-3)

- Good choice for industrial equipment
- Directional design for excellent traction and long wear
- For use in soft soil operations where traction and flotation are required

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.5/80-18 | 4GL5J9 | TL | 14 | 62 | 6,600 | **9**, W9, 11 | 12.0 | 39.7 | 17.7 | 116 | 31 | -- | -- |

## TITAN CONTRACTOR FWD (SS)

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

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12-16.5NHS | 46C3E6 | TL | 6 | 40 | 4,220 | **9.75** | 11.7 | 33.2 | 14.8 | 97 | 23 | -- | -- |
| 14-17.5NHS | 46C3G9 | TL | 10 | 55 | 6,850 | **10.50** | 13.6 | 37.6 | 16.6 | 109 | 24 | -- | -- |
| 15-19.5NHS | 46C3H9 | TL | 8 | 40 | 7,250 | 11.75, **12.25** | 15.5 | 40.7 | 17.8 | 118 | 26 | -- | -- |

## GOODYEAR SURE GRIP LOADER (SS)

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15-19.5NHS | 4GL3H9 | TL | 8 | 40 | 7,250 | 11.75, **12.25** | 15.6 | 39.6 | 17.5 | 115 | 26 | -- | -- |


## TITAN TGS2 (SS)

- All-season tread pattern
- Aggressive tread pattern and siping provides excellent traction on all surfaces and conditions, especially snow, ice and mud

| Tire Size | Catalog # | TL/ TT | Tread Design | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12-16.5NHS | 4S23J7 | TL | A | 10 | 65 | 5,600 | **9.75** | 13.3 | 33.0 | N/A | N/A | 20 | -- | -- |

## TITAN TRAC LOADER CHEVRON (SS)

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

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.00-15SS | 4123C5 | TL | 6 | 60 | 3,180 | **5.50F**, 6LB | 8.0 | 30.2 | 13.5 | 88 | 17 | -- | -- |

## TITAN LSW G9A (SS)

- Premium LSW skid steer tire with all the features of the HD 2000 II, plus run-flat capability
- LSW assemblies reduce bounce and lope, and improve lateral stability

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LSW305-546NHS | G9A3M1 | TL | 10 | 65 | 5,600 | **546x248LSW** | 11.9 | 32.8 | 15.0 | 97 | 24 | -- | -- |

## TITAN HD 2000 (SS)

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

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-16.5NHS | 4393D1 | TL | 8 | 60 | 4,140 | **8.25** | 10.7 | 30.9 | 14.1 | 92 | 21 | -- | -- |
| 12-16.5NHS | 4393J7 | TL | 10 | 65 | 5,600 | **9.75** | 12.9 | 32.4 | 14.9 | 97 | 23 | -- | -- |
| 14-17.5NHS | 439384 | TL | 14 | 80 | 8,540 | **10.50** | 14.5 | 36.3 | 16.5 | 108 | 24 | -- | -- |
| 15-19.5NHS | 439336 | TL | 12 | 60 | 9,190 | 11.75, **12.25** | 15.8 | 40.0 | 18.0 | 118 | 25 | -- | -- |









See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

# TITAN HD 2000 II (SS)

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

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-16.5NHS | 49E3D1 | TL | 8 | 60 | 4,140 | **8.25** | 11.0 | 30.4 | 13.9 | 90 | 24 | -- | -- |
| 12-16.5NHS | 49E3J7 | TL | 10 | 65 | 5,600 | **9.75** | 13.0 | 32.7 | 15.0 | 98 | 26 | -- | -- |
| 14-17.5NHS | 49E384 | TL | 14 | 80 | 8,540 | **10.50** | 15.2 | 35.8 | 16.2 | 106 | 26 | -- | -- |
| 31x15.50-16.5 | 49E3L8 | TL | 8 | 40 | 4,850 | **12.00** | 14.8 | 30.5 | 13.6 | 89 | 24 | -- | -- |
| 33x15.50-16.5 | 49E3R9 | TL | 14 | 70 | 7,480 | **12.00** | 15.1 | 33.2 | 14.9 | 98 | 26 | -- | -- |



See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.

## TITAN ULTIMATE (SS)

- Extra long life with up to twice the tread depth of conventional skid steer tires
- Superior damage resistance due to extra heavy sidewall and large rim guard
- Superior traction from high void-to-lug ratio
- Lowest possible cost per hour delivered by specialty compound and industry leading tread depth

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-16.5NHS | 49U3D1 | TL | 8 | 60 | 4,140 | **8.25** | 10.7 | 30.1 | 13.8 | 89 | 42 | -- | -- |
| 12-16.5NHS | 49U3J7 | TL | 10 | 65 | 5,600 | **9.75** | 12.2 | 33.0 | 15.2 | 98 | 44 | -- | -- |
| 14-17.5NHS | 49U384 | TL | 14 | 80 | 8,540 | **10.50** | 14.6 | 35.4 | 16.1 | 105 | 42 | -- | -- |

## TITAN H/E (SS)

- Titan's premium deep tread skid steer tire, designed for use in severe applications such as concrete, asphalt, demolition areas, quarries, glass plants, and scrap yards

| Tire Size | Catalog # | TL/ TT | Ply Rating | Inflation Pressure (psi) | Rated Load (lbs) | Approved Rim | Overall Width (in) | Outside Diameter (in) | Static Loaded Radius (in) | Rolling Circ. (in) | Tread Depth (32nd in) | RCI | SRI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10-16.5NHS | 43H3R8 | TL | 10 | 75 | 4,710 | **8.25** | 10.6 | 30.7 | 14.1 | 91 | 44 | -- | -- |
| 12-16.5NHS | 43H34R | TL | 14 | 90 | 6,780 | **9.75** | 12.5 | 33.3 | 15.6 | 100 | 44 | -- | -- |
| 14-17.5NHS | 43H384 | TL | 14 | 80 | 8,540 | **10.50** | 13.7 | 35.9 | 16.0 | 105 | 47 | -- | -- |









See Load & Inflation Tables starting on page 69 for our recommended cold inflation pressures based on equipment type.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STAR

# LOAD & INFLATION TABLES TABLE OF CONTENTS

# BIAS ARTICULATED DUMP TRUCK

## 17.5-25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Bell | B17B | 17 | CT | CT | CT | CT | CT | CT |

## 20.5-25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Bell | B18E | 20 | 16 | 35 | 20 | 45 | 20 | 45 |
| Bell | B20B | 20 | 16 | 35 | 20 | 40 | 20 | 40 |
| Bell | B20D 6x4 | 18 | 16 | 30 | 24 | 45 | 20 | 45 |
| Bell | B20D 6x6 | 18 | 16 | 30 | 24 | 50 | 24 | 45 |
| Bell | B20E | 20 | 16 | 35 | 20 | 45 | 20 | 45 |
| Caterpillar | D250B | 25 | 24 | 50 | CT | CT | CT | CT |
| Caterpillar | D250D | 25 | 24 | 45 | CT | CT | CT | CT |
| Komatsu | HA250-1 | 25 | CT | CT | CT | CT | CT | CT |
| Moxy | MT30 LHS | 30 | CT | CT | CT | CT | CT | CT |
| Terex | 2364 | 23 | 24 | 50 | 24 | 50 | 24 | 45 |
| Terex | 2366 | 23 | 24 | 50 | 24 | 50 | 24 | 45 |
| Terex | 2566B | 25 | CT | CT | CT | CT | 24 | 50 |
| Terex | 2566C | 25 | CT | CT | CT | CT | 24 | 55 |
| Volvo | A20 6X4 | 20 | - | - | 20 | 45 | 20 | 45 |
| Volvo | A20 6x6 | 20 | - | - | 20 | 45 | 20 | 45 |
| Volvo | A20C 6X6 | 20 | 20 | 40 | 20 | 45 | 20 | 45 |
| Volvo | A25 6X4 | 25 | 20 | 40 | CT | CT | CT | CT |
| Volvo | A25 | 25 | 20 | 45 | CT | CT | CT | CT |
| Volvo | A25B | 25 | 20 | 40 | CT | CT | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 23.5-25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Bell | B25B | 25 | 20 | 35 | 20 | 35 | 20 | 35 |
| Bell | B25D | 26 | 20 | 35 | 20 | 40 | 20 | 40 |
| Bell | B25E | 27 | 16 | 30 | CT | CT | CT | CT |
| Bell | B30B | 30 | CT | CT | CT | CT | CT | CT |
| Bell | B30D | 30 | 20 | 35 | CT | CT | CT | CT |
| Bell | B30E | 31 | 20 | 35 | CT | CT | CT | CT |

CONTINUES ON NEXT PAGE

## 23.5-25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Caterpillar | D20D | 20 | CT | CT | 12 | 25 | CT | CT |
| Caterpillar | D250B | 25 | 20 | 35 | 20 | 40 | 20 | 40 |
| Caterpillar | D250D | 25 | 16 | 30 | 20 | 40 | 20 | 40 |
| Caterpillar | D250E | 25 | 20 | 40 | CT | CT | CT | CT |
| Caterpillar | D300B | 30 | 20 | 40 | CT | CT | CT | CT |
| Caterpillar | D300D | 30 | 20 | 40 | CT | CT | CT | CT |
| Caterpillar | D300E | 30 | 20 | 40 | CT | CT | CT | CT |
| Caterpillar | D350C | 35 | CT | CT | CT | CT | CT | CT |
| Caterpillar | 725 | 25 | 20 | 40 | CT | CT | CT | CT |
| Caterpillar | 725 | 26 | CT | CT | CT | CT | CT | CT |
| Caterpillar | 725C | 26 | CT | CT | CT | CT | CT | CT |
| Caterpillar | 725C2 | 27 | CT | CT | CT | CT | CT | CT |
| Caterpillar | 730 | 30 | CT | CT | CT | CT | CT | CT |
| Caterpillar | 730 | 31 | CT | CT | CT | CT | CT | CT |
| Caterpillar | 730 EJ | 31 | CT | CT | CT | CT | CT | CT |
| Caterpillar | 730C | 31 | CT | CT | CT | CT | CT | CT |
| Caterpillar | 730C EJ | 31 | CT | CT | CT | CT | CT | CT |
| Caterpillar | 730C2 | 31 | CT | CT | CT | CT | CT | CT |
| Caterpillar | 730C2 EJ | 31 | CT | CT | CT | CT | CT | CT |
| Deere | 250C | 25 | 20 | 35 | 16 | 30 | 20 | 35 |
| Deere | 250D | 25 | 20 | 35 | 20 | 40 | 20 | 40 |
| Deere | 250D-II | 25 | 20 | 35 | 20 | 40 | 20 | 40 |
| Deere | 260E | 26 | CT | CT | CT | CT | CT | CT |
| Deere | 300C | 30 | 20 | 40 | CT | CT | CT | CT |
| Deere | 300D | 30 | 20 | 35 | CT | CT | CT | CT |
| Deere | 300D-II | 30 | 20 | 40 | CT | CT | CT | CT |
| Deere | 310E | 31 | CT | CT | CT | CT | CT | CT |
| Doosan | DA30 | 31 | CT | CT | CT | CT | CT | CT |
| Doosan | DA30-5 | 31 | CT | CT | CT | CT | CT | CT |
| Komatsu | HA270-1 | 27 | CT | CT | CT | CT | CT | CT |
| Komatsu | HM300-1 | 30 | CT | CT | CT | CT | CT | CT |
| Komatsu | HM300-2 | 30 | CT | CT | CT | CT | CT | CT |
| Komatsu | HM300-3 | 31 | CT | CT | CT | CT | CT | CT |
| Komatsu | HM300-5 | 31 | CT | CT | CT | CT | CT | CT |
| Moxy | MT26 | 26 | CT | CT | CT | CT | CT | CT |
| Moxy | MT30X | 30 | CT | CT | 20 | 35 | 20 | 35 |
| Moxy | MT30LHS | 30 | CT | CT | CT | CT | CT | CT |
| Moxy | MT31 | 31 | CT | CT | CT | CT | CT | CT |
| Randon | RK-628 | 28 | 20 | 35 | CT | CT | CT | CT |
| Terex | 2566B | 25 | CT | CT | 20 | 35 | 20 | 35 |
| Terex | 2566C | 25 | CT | CT | 20 | 40 | 20 | 35 |
| Terex | 2766B | 28 | CT | CT | 20 | 40 | 20 | 40 |
| Terex | 2766C | 28 | CT | CT | CT | CT | 20 | 40 |
| Terex | 3066 | 30 | CT | CT | CT | CT | CT | CT |
| Terex | 3066C | 30 | 20 | 40 | CT | CT | CT | CT |
| Terex | TA250 | 28 | CT | CT | CT | CT | CT | CT |

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## 23.5-25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Terex | TA250-9 | 28 | CT | CT | CT | CT | CT | CT |
| Terex | TA300 | 31 | CT | CT | CT | CT | CT | CT |
| Terex | TA300-T4 | 31 | CT | CT | CT | CT | CT | CT |
| Terex | TA300-9 | 31 | CT | CT | CT | CT | CT | CT |
| Volvo | A20 6X4 | 20 | 12 | 25 | - | - | - | - |
| Volvo | A25 | 25 | 16 | 30 | 20 | 40 | 20 | 40 |
| Volvo | A25 4X4 | 25 | 16 | 35 | - | - | - | - |
| Volvo | A25 6X4 | 25 | 16 | 30 | 20 | 40 | 20 | 40 |
| Volvo | A25B | 25 | 16 | 30 | 20 | 40 | 20 | 40 |
| Volvo | A25B 4X4 | 25 | 16 | 35 | - | - | - | - |
| Volvo | A25C | 25 | 16 | 30 | 20 | 40 | 20 | 40 |
| Volvo | A25C 4X4 | 25 | 20 | 35 | - | - | - | - |
| Volvo | A25C 6X6 | 25 | 16 | 30 | 20 | 40 | 20 | 40 |
| Volvo | A25D | 27 | 20 | 40 | CT | CT | CT | CT |
| Volvo | A25E | 27 | 20 | 40 | CT | CT | CT | CT |
| Volvo | A25E 4X4 | 27 | CT | CT | - | - | - | - |
| Volvo | A25F | 27 | 20 | 40 | CT | CT | CT | CT |
| Volvo | A25G | 27 | CT | CT | CT | CT | CT | CT |
| Volvo | A30 | 30 | 20 | 40 | CT | CT | CT | CT |
| Volvo | A30C | 30 | CT | CT | CT | CT | CT | CT |
| Volvo | A30C 6X6 | 30 | CT | CT | CT | CT | CT | CT |
| Volvo | A30D | 31 | CT | CT | CT | CT | CT | CT |
| Volvo | A30E | 31 | CT | CT | CT | CT | CT | CT |
| Volvo | A30F | 31 | CT | CT | CT | CT | CT | CT |
| Volvo | A30G | 31 | CT | CT | CT | CT | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 26.5-25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Bell | B35D | 36 | 26 | 45 | 32 | 55 | 32 | 55 |
| Bell | B35E | 37 | 32 | 50 | 44 | 55 | 32 | 55 |
| Bell | B40 | 40 | 32 | 50 | 44 | 60 | 44 | 60 |
| Bell | B40B | 40 | 32 | 50 | 44 | 55 | 44 | 55 |
| Bell | B40D 6x4 | 40 | 26 | 45 | 44 | 60 | 44 | 55 |
| Caterpillar | D25C | 25 | 32 | 50 | CT | - | 44 | 55 |
| Caterpillar | D25D | 25 | 32 | 50 | CT | - | 44 | 55 |
| Caterpillar | D350C | 35 | 26 | 45 | 26 | 45 | 26 | 45 |
| Caterpillar | D350D | 35 | 32 | 45 | 26 | 45 | 26 | 45 |
| Caterpillar | D400D | 40 | 32 | 50 | 44 | 55 | 44 | 55 |

CONTINUES ON NEXT PAGE

## 26.5-25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Caterpillar | 735 | 35 | 32 | 55 | 32 | 55 | 32 | 55 |
| Caterpillar | 735 | 36 | 44 | 55 | 32 | 55 | 32 | 50 |
| Caterpillar | 735B | 36 | 44 | 60 | 32 | 55 | 32 | 50 |
| Caterpillar | 735B | 36 | 44 | 60 | 32 | 55 | 32 | 50 |
| Caterpillar | 735C | 36 | 32 | 55 | 32 | 55 | 32 | 50 |
| Deere | 350C | 35 | 32 | 45 | 32 | 50 | 32 | 50 |
| Deere | 350D | 35 | 26 | 45 | 32 | 50 | 32 | 50 |
| Deere | 350D Series II | 35 | 32 | 50 | 32 | 50 | 32 | 50 |
| Deere | 370E | 37 | 32 | 50 | 44 | 55 | 32 | 55 |
| Komatsu | HM350-2 | 36 | 32 | 50 | 32 | 55 | 32 | 55 |
| Moxy | MT36 | 36 | 32 | 45 | 32 | 50 | 32 | 50 |
| Moxy | MT40 | 40 | 32 | 45 | 32 | 55 | 32 | 55 |
| Terex | 4066 | 37 | 20 | 40 | 32 | 50 | 32 | 50 |
| Terex | 4066B | 40 | 26 | 45 | 44 | 55 | 44 | 55 |
| Terex | 4066C | 40 | 26 | 45 | 44 | 60 | 44 | 60 |
| Terex | TA350 | 38 | 26 | 40 | 44 | 60 | 44 | 60 |
| Volvo | A35 | 35 | 20 | 40 | 32 | 50 | 32 | 50 |
| Volvo | A35C | 35 | 20 | 40 | 32 | 50 | 32 | 50 |
| Volvo | A35C 6X6 | 35 | 20 | 40 | 32 | 50 | 32 | 50 |
| Volvo | A35D | 36 | 26 | 40 | 32 | 55 | 32 | 55 |
| Volvo | A35E | 37 | 26 | 40 | 44 | 55 | 44 | 55 |
| Volvo | A35E-FS | 37 | 26 | 40 | 44 | 55 | 44 | 55 |
| Volvo | A35F | 37 | 26 | 45 | 44 | 55 | 44 | 55 |
| Volvo | A35F-FS | 37 | 26 | 45 | 44 | 55 | 44 | 55 |
| Volvo | A35G | 37 | 32 | 45 | 44 | 55 | 44 | 55 |
| Volvo | A35G-FS | 37 | 32 | 45 | 44 | 55 | 44 | 55 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 29.5-25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Atlas | FB-645 | 45 | 34 | 55 | 34 | 60 | 34 | 60 |
| Bell | B40B | 40 | 28 | 45 | 28 | 50 | 28 | 45 |
| Bell | B40D | 41 | 28 | 40 | 34 | 50 | 34 | 50 |
| Bell | B40E | 43 | 28 | 45 | 34 | 55 | 34 | 55 |
| Bell | B45D | 45 | 28 | 45 | 38 | 60 | 34 | 60 |
| Bell | B45E | 45 | 28 | 45 | 34 | 55 | 34 | 55 |
| Bell | B50E | 50 | 34 | 50 | CT | CT | CT | CT |
| Caterpillar | D30C 4x4 | 30 | 28 | 45 | - | - | 38 | 60 |
| Caterpillar | D30D 4x4 | 30 | 28 | 45 | - | - | 38 | 60 |

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## 29.5-25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Caterpillar | D35C | 35 | 28 | 45 | - | - | CT | - |
| Caterpillar | D40D | 40 | 34 | 55 | - | - | CT | - |
| Caterpillar | D350C | 35 | 28 | 35 | 28 | 40 | 28 | 35 |
| Caterpillar | D350D | 35 | 28 | 40 | 28 | 40 | 28 | 40 |
| Caterpillar | D400D | 40 | 28 | 45 | 28 | 45 | 28 | 45 |
| Caterpillar | D400E | 40 | 28 | 45 | 28 | 45 | 28 | 45 |
| Caterpillar | 740 | 40 | 34 | 50 | 28 | 50 | 28 | 45 |
| Caterpillar | 740 | 44 | 34 | 55 | 34 | 55 | 34 | 50 |
| Caterpillar | 740 EJ | 42 | 28 | 45 | 38 | 60 | 34 | 55 |
| Caterpillar | 740B | 44 | 34 | 55 | 34 | 55 | 34 | 50 |
| Caterpillar | 740B EJ | 42 | 28 | 50 | 34 | 60 | 34 | 55 |
| Caterpillar | 740C EJ | 42 | 28 | 45 | 34 | 60 | 34 | 55 |
| Caterpillar | 740 GC | 40 | 28 | 50 | 34 | 50 | 28 | 50 |
| Caterpillar | 745C | 45 | 34 | 55 | 34 | 55 | 34 | 55 |
| Deere | 370E | 37 | 28 | 45 | 28 | 45 | 28 | 45 |
| Deere | 400C | 40 | 28 | 45 | 28 | 45 | 28 | 45 |
| Deere | 400D | 40 | 28 | 40 | 34 | 50 | 34 | 50 |
| Deere | 400D Series II | 40 | 28 | 40 | 34 | 55 | 34 | 50 |
| Deere | 410E | 41 | 28 | 45 | 34 | 50 | 34 | 50 |
| Deere | 460E | 46 | 28 | 50 | 34 | 55 | 34 | 55 |
| Doosan | DA40 | 44 | 28 | 45 | 34 | 55 | 34 | 55 |
| Doosan | DA40-5 | 44 | 28 | 45 | 34 | 55 | 34 | 55 |
| Komatsu | HD400 | 40 | 28 | 40 | 34 | 50 | 34 | 50 |
| Komatsu | HM400-2 | 40 | 28 | 40 | 34 | 55 | 34 | 55 |
| Komatsu | HM400-3 | 44 | 28 | 45 | 34 | 60 | 34 | 60 |
| Komatsu | HM400-5 | 44 | 28 | 50 | 38 | 60 | 34 | 55 |
| Moxy | MT41 | 41 | 28 | 40 | 34 | 50 | 34 | 50 |
| Moxy | MT51 | 51 | 28 | 45 | 38 | 60 | 38 | 60 |
| Terex | TA400-9 | 42 | 28 | 40 | 34 | 55 | 34 | 55 |
| Volvo | A40 | 40 | 28 | 35 | 34 | 50 | 34 | 50 |
| Volvo | A40D | 41 | 28 | 40 | 34 | 55 | 34 | 55 |
| Volvo | A40E | 43 | 28 | 40 | 34 | 55 | 34 | 55 |
| Volvo | A40E-FS | 43 | 28 | 40 | 34 | 55 | 34 | 55 |
| Volvo | A40F | 43 | 28 | 45 | 34 | 55 | 34 | 55 |
| Volvo | A40F-FS | 43 | 28 | 40 | 34 | 55 | 34 | 55 |
| Volvo | A40G | 43 | 28 | 45 | 34 | 55 | 34 | 55 |
| Volvo | A40G-FS | 43 | 28 | 45 | 34 | 55 | 34 | 55 |
| Volvo | A45G | 45 | 28 | 45 | 34 | 55 | 34 | 55 |
| Volvo | A45G-FS | 45 | 28 | 45 | 34 | 55 | 34 | 55 |
| Volvo | A25 4X4 | 25 | - | - | - | - | 34 | 55 |
| Volvo | A25B 4X4 | 25 | - | - | - | - | 34 | 55 |
| Volvo | A25C 4X4 | 25 | - | - | - | - | 34 | 55 |
| Volvo | A25E 4X4 | 27 | - | - | - | - | 38 | 65 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# BIAS GRADER

## 13.00-24TG GRADER USAGE CHART

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Case | 845B | 12 | 35 | 12 | 45 | 12 | 45 |
| Case | 865B | 12 | 40 | 12 | 45 | 12 | 45 |
| Case | 865B AWD | 12 | 40 | 16 | 45 | 16 | 45 |
| Caterpillar | 12M | 12 | 45 | CT | CT | CT | CT |
| Caterpillar | 120M2 | 12 | 40 | CT | CT | CT | CT |
| Caterpillar | 120M2 AWD | 12 | 45 | CT | CT | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 14.00-24TG GRADER USAGE CHART

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Case | 845B | 12 | 25 | 12 | 40 | 12 | 40 |
| Case | 865B | 12 | 25 | 12 | 40 | 12 | 40 |
| Case | 865B AWD | 12 | 30 | 12 | 40 | 12 | 40 |
| Case | 885B | 12 | 35 | 14 | 40 | 14 | 40 |
| Case | 885B AWD | 12 | 40 | 14 | 40 | 14 | 40 |
| Caterpillar | 12M | 12 | 30 | 14 | 40 | 14 | 40 |
| Caterpillar | 12M2 | 12 | 35 | 14 | 45 | 14 | 45 |
| Caterpillar | 12M2 AWD | 12 | 35 | CT | CT | CT | CT |
| Caterpillar | 12M3 | 12 | 35 | CT | CT | CT | CT |
| Caterpillar | 12M3 AWD | 12 | 35 | CT | CT | CT | CT |
| Caterpillar | 120M2 | 12 | 30 | 14 | 40 | 14 | 40 |
| Caterpillar | 120M2 AWD | 12 | 30 | 14 | 45 | 14 | 45 |
| Caterpillar | 140 | 12 | 30 | 16 | 45 | 16 | 45 |
| Caterpillar | 140H | 12 | 25 | 12 | 40 | 12 | 40 |
| Caterpillar | 140M | 12 | 30 | 14 | 45 | 14 | 45 |
| Caterpillar | 140M AWD | 12 | 35 | CT | CT | CT | CT |
| Caterpillar | 140M2 | 12 | 35 | CT | CT | CT | CT |
| Caterpillar | 140M2 AWD | 12 | 40 | CT | CT | CT | CT |
| Caterpillar | 140M3 | 12 | 35 | CT | CT | CT | CT |
| Caterpillar | 140M3 AWD | 14 | 40 | CT | CT | CT | CT |
| Caterpillar | 160M | 12 | 35 | CT | CT | CT | CT |
| Caterpillar | 160M AWD | 12 | 40 | CT | CT | CT | CT |
| Caterpillar | 160M2 | 12 | 35 | CT | CT | CT | CT |
| Caterpillar | 160M2 AWD | 14 | 40 | CT | CT | CT | CT |
| Caterpillar | 160M3 | 12 | 35 | CT | CT | CT | CT |
| Caterpillar | 160M3 AWD | 14 | 40 | CT | CT | CT | CT |

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## 14.00-24TG GRADER USAGE CHART CONTINUED

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Deere | 620G/GP | 12 | 30 | 14 | 45 | 14 | 45 |
| Deere | 622G/GP | 12 | 35 | 14 | 45 | 14 | 45 |
| Deere | 670G Std | 12 | 25 | 12 | 40 | 12 | 40 |
| Deere | 670G w/ ripper | 12 | 35 | 14 | 45 | 14 | 45 |
| Deere | 672G Std | 12 | 30 | 12 | 40 | 12 | 40 |
| Deere | 672G w/ ripper | 12 | 35 | CT | CT | CT | CT |
| Deere | 770C std | 12 | 25 | 12 | 40 | 12 | 40 |
| Deere | 770C w/ scarifier | 12 | 30 | 12 | 40 | 12 | 40 |
| Deere | 770C w/ ripper | 12 | 25 | 12 | 40 | 12 | 40 |
| Deere | 770CH std | 12 | 25 | 12 | 40 | 12 | 40 |
| Deere | 770CH w/ scarifier | 12 | 30 | 12 | 40 | 12 | 40 |
| Deere | 770CH w/ ripper | 12 | 25 | 12 | 40 | 12 | 40 |
| Deere | 770G std | 12 | 25 | 12 | 40 | 12 | 40 |
| Deere | 770G w/ ripper | 12 | 35 | CT | CT | CT | CT |
| Deere | 772CH std | 12 | 25 | 12 | 40 | 12 | 40 |
| Deere | 772CH w/ scarifier | 12 | 35 | 12 | 40 | 12 | 40 |
| Deere | 772CH w/ ripper | 12 | 30 | 12 | 40 | 12 | 40 |
| Deere | 772D std | 12 | 25 | 12 | 40 | 12 | 40 |
| Deere | 772D w/ ripper | 12 | 30 | 14 | 40 | 14 | 40 |
| Deere | 772G std | 12 | 30 | 14 | 40 | 14 | 40 |
| Deere | 772G w/ ripper | 12 | 40 | CT | CT | CT | CT |
| Deere | 870G std | 12 | 25 | 14 | 40 | 14 | 40 |
| Deere | 870G w/ ripper | 12 | 35 | CT | CT | CT | CT |
| Deere | 872G std | 12 | 30 | 14 | 40 | 14 | 40 |
| Deere | 872G w/ ripper | 14 | 40 | CT | CT | CT | CT |
| Terex | TG140 | 12 | 30 | 12 | 40 | 12 | 40 |
| Terex | TG180 | 14 | 40 | 12 | 40 | 12 | 40 |
| Terex | TG200 | 14 | 40 | 12 | 40 | 12 | 40 |
| Volvo | G930B | 12 | 25 | 12 | 40 | 12 | 40 |
| Volvo | G930C | 12 | 25 | 12 | 40 | 12 | 40 |
| Volvo | G940B | 12 | 30 | 12 | 40 | 12 | 40 |
| Volvo | G940C | 12 | 30 | 14 | 40 | 14 | 40 |
| Volvo | G946B | 12 | 30 | 14 | 40 | 14 | 40 |
| Volvo | G946C | 12 | 30 | 14 | 40 | 14 | 40 |
| Volvo | G960B | 12 | 30 | 14 | 40 | 14 | 40 |
| Volvo | G960C | 12 | 30 | 14 | 40 | 14 | 40 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 16.00-24TG GRADER USAGE CHART

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Case | 845B | 16 | 20 | 16 | 40 | 16 | 40 |
| Case | 865B | 16 | 20 | 16 | 40 | 16 | 40 |
| Case | 865B AWD | 16 | 25 | 16 | 40 | 16 | 40 |
| Case | 885B | 16 | 25 | 16 | 40 | 16 | 40 |
| Case | 885B AWD | 16 | 30 | 16 | 40 | 16 | 40 |
| Caterpillar | 14M | 16 | 30 | CT | CT | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 17.5-25 GRADER USAGE CHART

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Case | 845B | 12 | 20 | 12 | 40 | 12 | 40 |
| Case | 856C | 12 | 20 | 12 | 40 | 12 | 40 |
| Case | 856C AWD | 12 | 20 | 12 | 40 | 12 | 40 |
| Case | 865B | 12 | 25 | 12 | 40 | 12 | 40 |
| Case | 865B AWD | 12 | 25 | 12 | 40 | 12 | 40 |
| Case | 885B | 12 | 30 | 16 | 40 | 16 | 40 |
| Case | 885B AWD | 16 | CT | 16 | 40 | 16 | 40 |
| Caterpillar | 12M | 12 | 25 | 16 | 40 | 16 | 40 |
| Caterpillar | 12M2 | 12 | 30 | 20 | 40 | 20 | 40 |
| Caterpillar | 12M2 AWD | 16 | CT | 20 | 40 | 20 | 40 |
| Caterpillar | 12M3 | 12 | 30 | 20 | 40 | 20 | 40 |
| Caterpillar | 12M3 AWD | 16 | CT | 20 | 40 | 20 | 40 |
| Caterpillar | 120M2 | 12 | 25 | 16 | 40 | 16 | 40 |
| Caterpillar | 120M2 AWD | 12 | 30 | 20 | 40 | 20 | 40 |
| Caterpillar | 140H | 12 | 20 | 12 | 40 | 12 | 40 |
| Caterpillar | 140M | 12 | 30 | 20 | 40 | 20 | 40 |
| Caterpillar | 140M AWD | 12 | 30 | 20 | 40 | 20 | 40 |
| Caterpillar | 140M2 | 12 | 30 | 20 | 40 | 20 | 40 |
| Caterpillar | 140M2 AWD | 16 | CT | 20 | 40 | 20 | 40 |
| Caterpillar | 140M3 | 12 | 30 | 20 | 40 | 20 | 40 |
| Caterpillar | 140M3 AWD | 16 | CT | CT | 40 | CT | 40 |
| Caterpillar | 160M | 12 | 30 | 20 | 40 | 20 | 40 |
| Caterpillar | 160M AWD | 16 | CT | 20 | 40 | 20 | 40 |
| Caterpillar | 160M2 | 16 | CT | 20 | 40 | 20 | 40 |
| Caterpillar | 160M2 AWD | 16 | CT | CT | CT | CT | CT |
| Caterpillar | 160M3 | 16 | CT | CT | 40 | CT | 40 |
| Caterpillar | 160M3 AWD | 16 | CT | CT | CT | CT | CT |
| Deere | 620G/GP | 12 | 25 | 16 | 40 | 16 | 40 |
| Deere | 622G/GP | 12 | 30 | 20 | 40 | 20 | 40 |

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## 17.5-25 GRADER USAGE CHART CONTINUED

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Deere | 670G Std | 12 | 20 | 16 | 40 | 16 | 40 |
| Deere | 670G w/ ripper | 12 | 30 | 20 | 40 | 20 | 40 |
| Deere | 672G Std | 12 | 25 | 16 | 40 | 16 | 40 |
| Deere | 672G w/ ripper | 16 | CT | 20 | 40 | 20 | 40 |
| Deere | 770C std | 12 | 20 | 12 | 40 | 12 | 40 |
| Deere | 770C w/ scarifier | 12 | 25 | 12 | 40 | 12 | 40 |
| Deere | 770C w/ ripper | 12 | 25 | 16 | 40 | 16 | 40 |
| Deere | 770CH std | 12 | 20 | 12 | 40 | 12 | 40 |
| Deere | 770CH w/ scarifier | 12 | 25 | 12 | 40 | 12 | 40 |
| Deere | 770CH w/ ripper | 12 | 25 | 16 | 40 | 16 | 40 |
| Deere | 770G std | 12 | 20 | 16 | 40 | 16 | 40 |
| Deere | 770G w/ ripper | 12 | 30 | 20 | 40 | 20 | 40 |
| Deere | 772CH std | 12 | 25 | 12 | 40 | 12 | 40 |
| Deere | 772CH w/ scarifier | 12 | 30 | 12 | 40 | 12 | 40 |
| Deere | 772CH w/ ripper | 12 | 25 | 16 | 40 | 16 | 40 |
| Deere | 772D std | 12 | 20 | 12 | 40 | 12 | 40 |
| Deere | 772D w/ ripper | 12 | 25 | 16 | 40 | 16 | 40 |
| Deere | 772G std | 12 | 25 | 16 | 40 | 16 | 40 |
| Deere | 772G w/ ripper | 16 | CT | 20 | 40 | 20 | 40 |
| Deere | 870G std | 12 | 25 | 16 | 40 | 16 | 40 |
| Deere | 870G w/ ripper | 12 | 30 | 20 | 40 | 20 | 40 |
| Deere | 872G std | 12 | 25 | 16 | 40 | 16 | 40 |
| Deere | 872G w/ ripper | 16 | CT | CT | CT | CT | CT |
| Komatsu | GD655-5 | 12 | 25 | 12 | 40 | 12 | 40 |
| Komatsu | GD655-5 w/ ripper | 12 | 30 | 16 | 40 | 16 | 40 |
| Komatsu | GD655-5 w/ scarifier | 12 | 25 | 16 | 40 | 16 | 40 |
| Komatsu | GD655-6 | 12 | 20 | 16 | 40 | 16 | 40 |
| Komatsu | GD655-6 w/ ripper | 12 | 25 | 20 | 40 | 20 | 40 |
| Komatsu | GD655-6 w/ scarifier | 12 | 25 | 16 | 40 | 16 | 40 |
| Komatsu | GD655-7 | 12 | 20 | 16 | 40 | 16 | 40 |
| Volvo | G930B | 12 | 25 | 12 | 40 | 12 | 40 |
| Volvo | G930C | 12 | 25 | 20 | 40 | 20 | 40 |
| Volvo | G940B | 12 | 25 | 16 | 40 | 16 | 40 |
| Volvo | G940C | 12 | 25 | CT | CT | CT | CT |
| Volvo | G946B | 12 | 25 | 16 | 40 | 16 | 40 |
| Volvo | G946C | 12 | 30 | CT | CT | CT | CT |
| Volvo | G960B | 12 | 25 | 16 | 40 | 16 | 40 |
| Volvo | G960C | 12 | 30 | CT | CT | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# BIAS LOADER

## 15.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 910K | 1.7 | 12 | 55 | 12 | 35 |
| Caterpillar | 910M | 2.5 | 12 | 70 | 12 | 40 |
| Caterpillar | 914G2 | 1.8 | 24 | 55 | 24 | 35 |
| Hitachi | ZW100 | 1.7 | 24 | 55 | 24 | 35 |
| Hitachi | ZW100 HL | 1.4 | 24 | 50 | 24 | 35 |
| Komatsu | WA150-5 | 1.6 | 24 | 50 | 24 | 35 |
| Volvo | L45H | 2 | 24 | 65 | 24 | 40 |
| Volvo | L50H | 2.1 | 24 | 70 | 24 | 40 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 17.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | IT14B | 1.6 | 12 | 50 | 12 | 35 |
| Caterpillar | IT14F | 1.6 | 12 | 50 | 12 | 35 |
| Caterpillar | IT14G | 1.7 | 12 | 45 | 12 | 35 |
| Caterpillar | IT18 | 1.5 | 12 | 50 | 12 | 35 |
| Caterpillar | IT18B | 1.75 | 12 | 55 | 12 | 35 |
| Caterpillar | IT18F | 2 | 12 | 60 | 12 | 35 |
| Caterpillar | IT24 | 2.3 | 12 | 60 | 12 | 35 |
| Caterpillar | IT24F | 2.4 | 12 | 65 | 12 | 35 |
| Caterpillar | IT28 | 2 | 12 | 55 | 12 | 35 |
| Caterpillar | IT28B | 2.25 | 12 | 60 | 12 | 35 |
| Caterpillar | IT28F | 2.6 | 12 | 65 | 12 | 40 |
| Caterpillar | 910M | 2.5 | 12 | 60 | 12 | 35 |
| Caterpillar | 914G | 1.7 | 12 | 45 | 12 | 35 |
| Caterpillar | 914G2 | 1.8 | 12 | 50 | 12 | 35 |
| Caterpillar | 914K | 1.7 | 12 | 45 | 12 | 35 |
| Caterpillar | 914K HL | 1.7 | 12 | 50 | 12 | 35 |
| Caterpillar | 914M | 2.5 | 12 | 60 | 12 | 35 |
| Caterpillar | 916 | 2 | 12 | 50 | 12 | 35 |
| Caterpillar | 918F | 2 | 12 | 55 | 12 | 35 |
| Caterpillar | 918M | 2.5 | 12 | 60 | 12 | 35 |
| Caterpillar | 924F | 2.25 | 12 | 55 | 12 | 35 |
| Caterpillar | 924Gz | 2.3 | 12 | 60 | 12 | 35 |
| Caterpillar | 924K | 2.5 | 16 | 75 | 12 | 45 |
| Caterpillar | 926 | 1.75 | 12 | 50 | 12 | 35 |
| Caterpillar | 926E | 2.25 | 12 | 55 | 12 | 35 |
| Caterpillar | 926M | 2.5 | 16 | 75 | 12 | 45 |
| Caterpillar | 928F | 2.6 | 12 | 65 | 12 | 35 |
| Caterpillar | 928G | 2.6 | 12 | 65 | 12 | 40 |
| Caterpillar | 930 | 2.25 | 12 | 60 | 12 | 35 |
| Caterpillar | 936 | 2.75 | 16 | 75 | 12 | 45 |
| Caterpillar | 936E | 3 | 16 | 80 | 12 | 45 |
| Caterpillar | 936F | 3 | 16 | 80 | 12 | 45 |
| Case | W14C | 1.7 | 12 | 45 | 12 | 35 |
| Case | W18 | 2 | 12 | 55 | 12 | 35 |
| Case | W18B | 2 | 12 | 55 | 12 | 35 |
| Case | W20 | 2 | 12 | 60 | 12 | 35 |
| Case | W20B | 2.5 | 12 | 60 | 12 | 35 |
| Case | W20C | 2 | 12 | 55 | 12 | 35 |
| Case | W24B | 2.5 | 12 | 60 | 12 | 35 |
| Case | W24C | 3 | 16 | 70 | 12 | 40 |
| Case | 521D | 2 | 12 | 55 | 12 | 35 |
| Case | 521G Z-Bar | 2.1 | 12 | 60 | 12 | 35 |

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## 17.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Case | 521G Z-Bar | 2 | 12 | 55 | 12 | 35 |
| Case | 521G Z-Bar | 2.3 | 12 | 60 | 12 | 35 |
| Case | 521G XR | 2.1 | 12 | 60 | 12 | 35 |
| Case | 521G XR | 2 | 12 | 60 | 12 | 35 |
| Case | 521G XR | 2.3 | 12 | 65 | 12 | 35 |
| Case | 521G XT | 2.1 | 12 | 60 | 12 | 35 |
| Case | 521G XT | 2 | 12 | 60 | 12 | 35 |
| Case | 621 | 2.2 | 12 | 65 | 12 | 35 |
| Daewoo | Mega 200 | 2.4 | 12 | 60 | 12 | 35 |
| Daewoo | Mega 200-III | 2.3 | 12 | 60 | 12 | 35 |
| Deere | 304H | 1.25 | 12 | 50 | 12 | 35 |
| Deere | 304H WH | 1 | 12 | 45 | 12 | 35 |
| Deere | 324H | 1.75 | 12 | 55 | 12 | 35 |
| Deere | 344E | 1.6 | 12 | 45 | 12 | 35 |
| Deere | 344G | 1.6 | 12 | 45 | 12 | 35 |
| Deere | 344H | 2 | 12 | 45 | 12 | 35 |
| Deere | 344K | 1.75 | 12 | 50 | 12 | 35 |
| Deere | 344L | 2 | 12 | 55 | 12 | 35 |
| Deere | 344L HL | 2 | 12 | 55 | 12 | 35 |
| Deere | 444 | 1.5 | 12 | 45 | 12 | 35 |
| Deere | 444C | 1.75 | 12 | 50 | 12 | 35 |
| Deere | 444D | 1.75 | 12 | 50 | 12 | 35 |
| Deere | 444E | 1.75 | 12 | 50 | 12 | 35 |
| Deere | 444G | 1.75 | 12 | 50 | 12 | 35 |
| Deere | 444H | 2.5 | 12 | 60 | 12 | 35 |
| Deere | 444H-HL | 2.5 | 12 | 65 | 12 | 40 |
| Deere | 444K Z-bar | 2.5 | 12 | 65 | 12 | 40 |
| Deere | 444K HL | 2.5 | 16 | 70 | 12 | 40 |
| Deere | 444K Powerllel | 2.5 | 16 | 75 | 12 | 45 |
| Deere | 544B | 1.75 | 12 | 55 | 12 | 35 |
| Deere | 544C | 2 | 12 | 55 | 12 | 35 |
| Deere | 544D | 2.2 | 12 | 60 | 12 | 35 |
| Deere | 544E | 2.2 | 12 | 60 | 12 | 35 |
| Deere | 544G | 2.5 | 12 | 65 | 12 | 35 |
| Deere | 544G-TC | 2.5 | 12 | 65 | 12 | 40 |
| Deere | TC44H | 2 | 12 | 55 | 12 | 35 |
| Deere | TC54H | 2.5 | 12 | 60 | 12 | 35 |
| Deere | TC62H | 3 | 12 | 60 | 12 | 35 |
| Fiatallis | FR7B | 1.4 | 12 | 40 | 12 | 35 |
| Fiatallis | FR7C | 1.4 | 12 | 40 | 12 | 35 |
| Fiatallis | FR70 | 1.4 | 12 | 40 | 12 | 35 |
| Fiatallis | 345B | 1.5 | 12 | 45 | 12 | 35 |
| Fiatallis | FR9B PL | 1.7 | 12 | 50 | 12 | 35 |
| Fiatallis | FR90 PL | 1.8 | 12 | 55 | 12 | 35 |
| Fiatallis | FR9B | 1.8 | 12 | 50 | 12 | 35 |
| Fiatallis | FR9C | 1.8 | 12 | 45 | 12 | 35 |
| Fiatallis | FR90 | 1.8 | 12 | 50 | 12 | 35 |
| Fiatallis | FR10 | 2 | 12 | 55 | 12 | 35 |
| Fiatallis | FR10B | 2.2 | 12 | 55 | 12 | 35 |
| Fiatallis | FR10C | 2.25 | 12 | 55 | 12 | 35 |
| Fiatallis | FR100 | 2.25 | 12 | 55 | 12 | 35 |
| Fiatallis | FR11 | 2.5 | 12 | 65 | 12 | 40 |
| Fiatallis | FR12 | 2.5 | 12 | 65 | 12 | 40 |
| Fiatallis | FR12B | 2.5 | 12 | 60 | 12 | 35 |
| Fiatallis | FR120 | 2.5 | 12 | 60 | 12 | 35 |
| Fiatallis | FR120-2 | 2.5 | 12 | 65 | 12 | 40 |
| Fiatallis | FW130 | 2.75 | 16 | 70 | 12 | 45 |
| Fiatallis | FW110 | 2.2 | 12 | 55 | 12 | 35 |
| Fiat Hitachi | W110 | 2.1 | 12 | 55 | 12 | 35 |
| Fiat Hitachi | W130 PL | 2.6 | 12 | 65 | 12 | 40 |
| Furukawa | FL120-I | 1.7 | 12 | 50 | 12 | 35 |
| Furukawa | FL120A-I | 1.7 | 12 | 50 | 12 | 35 |
| Hitachi | ZW120 | 2 | 12 | 50 | 12 | 35 |
| Hitachi | ZW120 HL | 1.75 | 12 | 50 | 12 | 35 |
| Hitachi | ZW120-6 | 2 | 12 | 50 | 12 | 35 |
| Hitachi | ZW120-6 HL | 2 | 12 | 55 | 12 | 35 |
| Hitachi | ZW140 | 2.6 | 12 | 65 | 12 | 35 |
| Hitachi | ZW140 HL | 2 | 12 | 60 | 12 | 35 |
| Hitachi | ZW140-6 | 2.7 | 12 | 65 | 12 | 40 |
| Hitachi | ZW140-6 HL | 2.7 | 16 | 70 | 12 | 40 |
| Hyundai | HL17 | 2.4 | 12 | 65 | 12 | 40 |
| Hyundai | HL730-9A | 2.5 | 12 | 60 | 12 | 35 |
| Hyundai | HL730XTD-9A | 2.5 | 12 | 65 | 12 | 35 |
| Hyundai | HL730TM-9A | 2.2 | 12 | 60 | 12 | 35 |
| Hyundai | HL740-9A | 3 | 16 | 80 | 12 | 45 |
| Hyundai | HL740XTD-9A | 3 | 20 | 80 | 12 | 50 |
| Hyundai | HL740TM-9A | 3 | 20 | 85 | 12 | 55 |
| Hyundai | HL757-9A | 3.7 | 20 | 90 | 16 | 55 |
| Hyundai | HL757XTD-9A | 3.7 | 24 | 100 | 16 | 65 |
| Hyundai | HL757TM-9A | 3.5 | 24 | 95 | 16 | 60 |
| Hyundai | HL940 | 3 | 16 | 75 | 12 | 45 |
| Hyundai | HL940 XT | 3 | 16 | 80 | 12 | 50 |
| Hyundai | HL955 | 3.1 | 20 | 85 | 12 | 50 |
| Hyundai | HL955 XTD | 3.1 | 20 | 90 | 16 | 55 |
| JCB | 411HT | 1.6 | 12 | 45 | 12 | 35 |
| JCB | 416HT | 2.2 | 12 | 55 | 12 | 35 |
| JCB | 417HT | 2 | 12 | 55 | 12 | 35 |
| JCB | 417HT HL | 2 | 12 | 55 | 12 | 35 |
| JCB | 417HT SHL | 2 | 12 | 60 | 12 | 35 |
| Kawasaki | 50ZIV | 1.7 | 12 | 45 | 12 | 35 |

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## 17.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Kawasaki | 50ZIV-2 | 2 | 12 | 45 | 12 | 35 |
| Kawasaki | 60Z | 2.1 | 12 | 55 | 12 | 35 |
| Kawasaki | 60ZII | 2.1 | 12 | 55 | 12 | 35 |
| Kawasaki | 60ZIII | 2.1 | 12 | 50 | 12 | 35 |
| Kawasaki | 60ZIV | 2.1 | 12 | 50 | 12 | 35 |
| Kawasaki | 60ZIV-2 | 2.5 | 12 | 55 | 12 | 35 |
| Kawasaki | 60Z7 | 2 | 12 | 50 | 12 | 35 |
| Kawasaki | 60ZV-2 | 2.2 | 12 | 55 | 12 | 35 |
| Kawasaki | 60ZV-2 HL | 2.2 | 12 | 60 | 12 | 35 |
| Kawasaki | 60ZV-2 SHL | 2.2 | 12 | 60 | 12 | 35 |
| Kawasaki | 62Z7 | 2.75 | 12 | 65 | 12 | 40 |
| Kawasaki | 65TM-2 | 2.6 | 16 | 80 | 12 | 50 |
| Kawasaki | 65Z | 2.3 | 12 | 60 | 12 | 35 |
| Kawasaki | 65ZII | 2.3 | 12 | 60 | 12 | 35 |
| Kawasaki | 65ZIII | 2.6 | 12 | 65 | 12 | 35 |
| Kawasaki | 65ZIV | 2.6 | 12 | 65 | 12 | 35 |
| Kawasaki | 65ZIV-2 | 3 | 16 | 70 | 12 | 45 |
| Kawasaki | 65ZV-2 | 3 | 16 | 70 | 12 | 40 |
| Kawasaki | 65ZV-2 HL | 2.8 | 16 | 70 | 12 | 40 |
| Kawasaki | 65ZV-2 SHL | 2.8 | 16 | 70 | 12 | 45 |
| Komatsu | WA120-1 | 1.75 | 12 | 50 | 12 | 35 |
| Komatsu | WA120-3 | 1.85 | 12 | 45 | 12 | 35 |
| Komatsu | WA150-5 | 2 | 12 | 50 | 12 | 35 |
| Komatsu | WA180-1 | 2.25 | 12 | 55 | 12 | 35 |
| Komatsu | WA180-3 | 2.9 | 12 | 65 | 12 | 35 |
| Komatsu | WA180-3 PTC | 2.5 | 12 | 65 | 12 | 35 |
| Komatsu | WA200-5 | 2.6 | 12 | 60 | 12 | 35 |
| Komatsu | WA200-6 | 2.6 | 12 | 60 | 12 | 35 |
| Komatsu | WA200PZ-6 | 2.6 | 12 | 65 | 12 | 40 |
| Komatsu | WA200-7 | 2.6 | 12 | 65 | 12 | 40 |
| Komatsu | WA200-8 | 2.6 | 12 | 65 | 12 | 40 |
| Komatsu | WA250-5 | 3 | 16 | 70 | 12 | 40 |
| Komatsu | WA250-6 | 3 | 12 | 65 | 12 | 40 |
| Komatsu | WA250PZ-6 | 2.9 | 16 | 75 | 12 | 45 |
| Komatsu Dresser | 512 | 1.7 | 12 | 50 | 12 | 35 |
| Komatsu Dresser | 515B | 1.6 | 12 | 45 | 12 | 35 |
| Komatsu Dresser | 515C | 2 | 12 | 50 | 12 | 35 |
| Komatsu Dresser | 515CH | 2 | 12 | 55 | 12 | 35 |
| Komatsu Dresser | 518 | 2.2 | 12 | 55 | 12 | 35 |
| Komatsu Dresser | 520B | 2.25 | 12 | 60 | 12 | 35 |
| Komatsu Dresser | 520C | 2.5 | 12 | 60 | 12 | 35 |
| Liebherr | L524 Z-bar | 2.7 | 12 | 65 | 12 | 40 |
| Liebherr | L524 | 2.4 | 12 | 65 | 12 | 40 |
| Liebherr | L524 HL | 2.4 | 16 | 70 | 12 | 45 |
| Liebherr | L526 Z-bar | 2.75 | 12 | 70 | 12 | 40 |
| Liebherr | L526 | 2.75 | 16 | 75 | 12 | 45 |
| Liebherr | L526 HL | 2.75 | 16 | 80 | 12 | 50 |
| Liebherr | L528 Z-bar | 3 | 16 | 70 | 12 | 40 |
| Liebherr | L528 | 2.7 | 16 | 70 | 12 | 40 |
| Liebherr | L528 HL | 2.7 | 16 | 80 | 12 | 45 |
| Terex | 33C | 1.75 | 12 | 50 | 12 | 35 |
| Terex | 44C | 2.25 | 12 | 65 | 12 | 40 |
| Volvo | L45H | 2 | 12 | 55 | 12 | 35 |
| Volvo | L50C | 2 | 12 | 50 | 12 | 35 |
| Volvo | L50D | 2 | 12 | 55 | 12 | 35 |
| Volvo | L50H | 2.1 | 12 | 55 | 12 | 35 |
| Volvo | L60G | 2.75 | 16 | 70 | 12 | 40 |
| Volvo | L60H | 2.75 | 16 | 70 | 12 | 40 |
| Volvo | L70B | 2.1 | 12 | 60 | 12 | 35 |
| Volvo | L70C | 2.5 | 12 | 60 | 12 | 35 |
| Volvo | L70D | 2.5 | 12 | 65 | 12 | 40 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 20.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

*This excludes HK 458, see pages 85-86 for HK 458 pressures

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | IT38F | 3.25 | 16 | 60 | 12 | 35 |
| Caterpillar | IT38G | 3.3 | 16 | 60 | 12 | 35 |
| Caterpillar | IT38H | 3.3 | 16 | 65 | 12 | 35 |
| Caterpillar | 924G | 2.3 | 12 | 45 | 12 | 35 |
| Caterpillar | 924H | 2.4 | 12 | 45 | 12 | 35 |
| Caterpillar | 924HZ | 2.3 | 12 | 45 | 12 | 35 |
| Caterpillar | 924K | 2.5 | 12 | 55 | 12 | 35 |
| Caterpillar | 926M | 2.5 | 16 | 55 | 12 | 35 |
| Caterpillar | 928HZ | 2.6 | 12 | 50 | 12 | 35 |
| Caterpillar | 930H | 2.7 | 12 | 55 | 12 | 35 |
| Caterpillar | 930K | 2.75 | 16 | 55 | 12 | 35 |
| Caterpillar | 930M | 2.75 | 16 | 55 | 12 | 35 |
| Caterpillar | 930M HL | 2.7 | 16 | 60 | 12 | 35 |
| Caterpillar | 936F TC | 3 | 16 | 55 | 12 | 35 |
| Caterpillar | 938F | 3.25 | 16 | 55 | 12 | 35 |
| Caterpillar | 938G | 3.25 | 16 | 60 | 12 | 35 |
| Caterpillar | 938H | 3.65 | 20 | 65 | 16 | 40 |
| Caterpillar | 938K | 3.25 | 16 | 65 | 12 | 35 |
| Caterpillar | 938M | 3.25 | 20 | 65 | 16 | 40 |
| Caterpillar | 938M HL | 3.2 | 20 | 70 | 16 | 40 |
| Caterpillar | 950B | 3.75 | 20 | 70 | 16 | 40 |
| Caterpillar | 950F | 4 | 20 | 75 | 16 | 45 |
| Case | 521G Z-Bar | 2.1 | 12 | 45 | 12 | 35 |
| Case | 521G Z-Bar | 2 | 12 | 40 | 12 | 35 |
| Case | 521G Z-Bar | 2.3 | 12 | 45 | 12 | 35 |
| Case | 521G XR | 2.1 | 12 | 45 | 12 | 35 |
| Case | 521G XR | 2 | 12 | 45 | 12 | 35 |
| Case | 521G XR | 2.3 | 12 | 45 | 12 | 35 |
| Case | 521G XT | 2.1 | 12 | 45 | 12 | 35 |
| Case | 521G XT | 2 | 12 | 45 | 12 | 35 |
| Case | 621B | 2.25 | 12 | 45 | 12 | 35 |
| Case | 621B | 3 | 12 | 55 | 12 | 35 |
| Case | 621B XT | 2.25 | 12 | 50 | 12 | 35 |
| Case | 621D | 2.5 | 12 | 50 | 12 | 35 |
| Case | 621E | 3 | 12 | 55 | 12 | 35 |
| Case | 621E XT | 3 | 16 | 55 | 12 | 35 |
| Case | 621E XR | 3 | 16 | 55 | 12 | 35 |
| Case | 621G Z-Bar | 2.5 | 12 | 50 | 12 | 35 |
| Case | 621G Z-Bar | 2.4 | 12 | 45 | 12 | 35 |
| Case | 621G Z-Bar | 2.75 | 12 | 50 | 12 | 35 |
| Case | 621G XR | 2.5 | 12 | 50 | 12 | 35 |
| Case | 621G XR | 2.4 | 12 | 50 | 12 | 35 |
| Case | 621G XR | 2.75 | 12 | 55 | 12 | 35 |
| Case | 621G XT | 2.5 | 12 | 50 | 12 | 35 |

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Case | 621G XT | 2.4 | 12 | 50 | 12 | 35 |
| Case | 621G XT | 3 | 16 | 55 | 12 | 35 |
| Case | 621G XT | 2.8 | 16 | 55 | 12 | 35 |
| Case | 721 | 2.75 | 12 | 50 | 12 | 35 |
| Case | 721B | 2.75 | 12 | 50 | 12 | 35 |
| Case | 721B XT | 2.75 | 16 | 55 | 12 | 35 |
| Case | 721C | 2.75 | 16 | 55 | 12 | 35 |
| Case | 721E | 3.5 | 16 | 60 | 12 | 35 |
| Case | 721E XT | 3 | 16 | 55 | 12 | 35 |
| Case | 721E XR | 3 | 16 | 55 | 12 | 35 |
| Case | 721F | 3 | 16 | 55 | 12 | 35 |
| Case | 721F XT | 3 | 16 | 60 | 12 | 35 |
| Case | 721F XR | 3 | 16 | 60 | 12 | 35 |
| Case | 721G Z-Bar | 3 | 16 | 55 | 12 | 35 |
| Case | 721G Z-Bar | 2.8 | 16 | 55 | 12 | 35 |
| Case | 721G Z-Bar | 3.25 | 16 | 60 | 12 | 35 |
| Case | 721G XR | 3 | 16 | 60 | 12 | 35 |
| Case | 721G XR | 2.8 | 16 | 55 | 12 | 35 |
| Case | 721G XR | 3.25 | 16 | 60 | 12 | 35 |
| Case | 721G XT | 3 | 16 | 60 | 12 | 35 |
| Case | 721G XT | 2.8 | 16 | 55 | 12 | 35 |
| Case | W30 | 3.5 | 16 | 55 | 12 | 35 |
| Daewoo | Mega 250-III | 3.1 | 16 | 55 | 12 | 35 |
| Deere | 444K Z-bar | 2.5 | 12 | 50 | 12 | 35 |
| Deere | 444K HL | 2.5 | 12 | 50 | 12 | 35 |
| Deere | 444K Powerllel | 2.5 | 12 | 50 | 12 | 35 |
| Deere | 524K Z-bar | 2.75 | 12 | 50 | 12 | 35 |
| Deere | 524K HL | 2.75 | 12 | 55 | 12 | 35 |
| Deere | 524L | 2.75 | 12 | 50 | 12 | 35 |
| Deere | 524L HL | 2.75 | 16 | 55 | 12 | 35 |
| Deere | 544H | 3 | 12 | 55 | 12 | 35 |
| Deere | 544H-HL | 3 | 16 | 55 | 12 | 35 |
| Deere | 544J | 3 | 12 | 55 | 12 | 35 |
| Deere | 544J-HL | 3 | 16 | 55 | 12 | 35 |
| Deere | 544K | 3 | 16 | 55 | 12 | 35 |
| Deere | 544K-HL | 3 | 16 | 55 | 12 | 35 |
| Deere | 544L | 3 | 16 | 55 | 12 | 35 |
| Deere | 544L HL | 2.75 | 16 | 55 | 12 | 35 |
| Deere | 624E | 2.6 | 12 | 50 | 12 | 35 |
| Deere | 624G | 3.25 | 16 | 55 | 12 | 35 |
| Deere | 624H | 3.5 | 16 | 60 | 12 | 35 |
| Deere | 624H-HL | 3 | 16 | 60 | 12 | 35 |
| Deere | 624K | 3.5 | 16 | 60 | 12 | 35 |
| Deere | 624K-HL | 3.5 | 16 | 65 | 12 | 35 |

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## 20.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

*This excludes HK 458, see pages 85-86 for HK 458 pressures

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Deere | 624L | 3.5 | 16 | 65 | 12 | 35 |
| Deere | 624L HL | 3.5 | 20 | 65 | 16 | 40 |
| Deere | 644B | 2.5 | 12 | 50 | 12 | 35 |
| Deere | 644C | 3 | 12 | 55 | 12 | 35 |
| Doosan | DL200 | 2.6 | 12 | 50 | 12 | 35 |
| Doosan | DL200TC | 2.6 | 12 | 50 | 12 | 35 |
| Doosan | DL200-5 | 2.6 | 12 | 50 | 12 | 35 |
| Doosan | DL200-5 HL | 2.6 | 12 | 50 | 12 | 35 |
| Doosan | DL200TC-5 | 2.6 | 12 | 50 | 12 | 35 |
| Doosan | DL220-5 | 3 | 16 | 55 | 12 | 35 |
| Doosan | DL220-5 HL | 3 | 16 | 55 | 12 | 35 |
| Doosan | DL250 | 3.3 | 16 | 60 | 12 | 35 |
| Doosan | DL250TC | 3.4 | 16 | 65 | 12 | 35 |
| Doosan | DL250HL | 3.4 | 16 | 60 | 12 | 35 |
| Doosan | DL250-5 | 3.3 | 16 | 60 | 12 | 35 |
| Doosan | DL250-5 HL | 3.3 | 16 | 60 | 12 | 35 |
| Doosan | DL250TC-5 | 3.3 | 16 | 60 | 12 | 35 |
| Doosan | DL280-5 | 3.7 | 20 | 65 | 12 | 40 |
| Doosan | DL280-5 HL | 3.7 | 20 | 70 | 16 | 40 |
| Dressta | 520E | 2.3 | 12 | 45 | 12 | 35 |
| Fiatallis | FR130 | 3 | 16 | 55 | 12 | 35 |
| Fiatallis | FR130-2 | 3 | 16 | 55 | 12 | 35 |
| Fiatallis | FR140 | 3 | 16 | 55 | 12 | 35 |
| Fiatallis | FR140-2 | 3.25 | 16 | 55 | 12 | 35 |
| Fiatallis | FR15 | 3 | 16 | 55 | 12 | 35 |
| Fiatallis | FR15B | 3.1 | 16 | 60 | 12 | 35 |
| Fiat Hitachi | W170 PL | 3.9 | 20 | 65 | 12 | 40 |
| Furukawa | FL150-I | 2 | 12 | 40 | 12 | 35 |
| Furukawa | FL200-I | 2.6 | 12 | 50 | 12 | 35 |
| Furukawa | FL230-I | 3.1 | 16 | 60 | 12 | 35 |
| Hitachi | ZW140-5 | 3 | 12 | 50 | 12 | 35 |
| Hitachi | ZW140-5 HL | 2.1 | 12 | 45 | 12 | 35 |
| Hitachi | ZW140-6 | 2.7 | 12 | 50 | 12 | 35 |
| Hitachi | ZW140-6 HL | 2.7 | 12 | 55 | 12 | 35 |
| Hitachi | ZW150 | 3 | 12 | 55 | 12 | 35 |
| Hitachi | ZW150 HL | 2.6 | 12 | 50 | 12 | 35 |
| Hitachi | ZW150-5 | 3.3 | 16 | 55 | 12 | 35 |
| Hitachi | ZW150-5 HL | 2.6 | 12 | 50 | 12 | 35 |
| Hitachi | ZW150-6 | 3.1 | 12 | 55 | 12 | 35 |
| Hitachi | ZW150-6 HL | 3.1 | 16 | 55 | 12 | 35 |
| Hitachi | ZW150PL-6 | 2.7 | 12 | 50 | 12 | 35 |
| Hitachi | ZW180 | 3.6 | 16 | 60 | 12 | 35 |
| Hitachi | ZW180 HL | 3.1 | 16 | 60 | 12 | 35 |
| Hitachi | ZW180-5 | 3.7 | 16 | 65 | 12 | 35 |
| Hitachi | ZW180-5 HL | 3.1 | 16 | 60 | 12 | 35 |
| Hitachi | ZW180-6 | 3.7 | 16 | 65 | 12 | 35 |
| Hitachi | ZW180-6 HL | 3.7 | 20 | 70 | 16 | 40 |
| Hyundai | HL25 | 3.5 | 20 | 70 | 16 | 40 |
| Hyundai | HL740-7A | 2.7 | 12 | 50 | 12 | 35 |
| Hyundai | HL740XTD-7A | 2.7 | 12 | 50 | 12 | 35 |
| Hyundai | HL740TM-7A | 2.6 | 12 | 50 | 12 | 35 |
| Hyundai | HL740-9A | 3 | 16 | 55 | 12 | 35 |
| Hyundai | HL740XTD-9A | 3 | 16 | 60 | 12 | 35 |
| Hyundai | HL740TM-9A | 3 | 16 | 60 | 12 | 35 |
| Hyundai | HL750 | 3 | 16 | 55 | 12 | 35 |
| Hyundai | HL757-7A | 2.7 | 16 | 55 | 12 | 35 |
| Hyundai | HL757XTD-7A | 2.7 | 16 | 55 | 12 | 35 |
| Hyundai | HL757TM-7A | 2.5 | 16 | 55 | 12 | 35 |
| Hyundai | HL757-9A | 3.7 | 16 | 65 | 12 | 35 |
| Hyundai | HL757XTD-9A | 3.7 | 20 | 70 | 16 | 40 |
| Hyundai | HL757TM-9A | 3.5 | 20 | 70 | 16 | 40 |
| Hyundai | HL760-9A | 4.3 | 24 | 75 | 16 | 45 |
| Hyundai | HL760XTD-9A | 4.3 | 24 | 80 | 16 | 50 |
| Hyundai | HL940 | 3 | 16 | 55 | 12 | 35 |
| Hyundai | HL940 XT | 3 | 16 | 55 | 12 | 35 |
| Hyundai | HL955 | 3.1 | 16 | 60 | 12 | 35 |
| Hyundai | HL955 XTD | 3.1 | 16 | 60 | 12 | 35 |
| Hyundai | HL960 | 3.8 | 20 | 75 | 16 | 45 |
| Hyundai | HL960 XT | 3.8 | 20 | 75 | 16 | 45 |
| JCB | 417HT | 2 | 12 | 40 | 12 | 35 |
| JCB | 417HT HL | 2 | 12 | 40 | 12 | 35 |
| JCB | 417HT SHL | 2 | 12 | 45 | 12 | 35 |
| JCB | 426HT | 2.5 | 12 | 50 | 12 | 35 |
| JCB | 426HT | 2.75 | 16 | 55 | 12 | 35 |
| JCB | 426ZX | 2.5 | 12 | 50 | 12 | 35 |
| JCB | 426ZX | 2.75 | 12 | 50 | 12 | 35 |
| JCB | 436HT | 3.5 | 16 | 60 | 12 | 35 |
| JCB | 436ZX | 3.5 | 16 | 65 | 12 | 35 |
| JCB | 456HT | 4.6 | CT | CT | 20 | 55 |
| Kawasaki | 62Z7 | 2.75 | 12 | 50 | 12 | 35 |
| Kawasaki | 62Z7 HL | 2.75 | 12 | 50 | 12 | 35 |
| Kawasaki | 65ZV-2 | 3 | 12 | 50 | 12 | 35 |
| Kawasaki | 65TMV-2 | 2.5 | 12 | 50 | 12 | 35 |
| Kawasaki | 67Z7 | 3.1 | 12 | 55 | 12 | 35 |
| Kawasaki | 67Z7 HL | 3.1 | 16 | 55 | 12 | 35 |
| Kawasaki | 70Z | 3 | 16 | 55 | 12 | 35 |
| Kawasaki | 70ZII | 3 | 16 | 55 | 12 | 35 |
| Kawasaki | 70ZIII | 3.25 | 16 | 55 | 12 | 35 |

CONTINUES ON NEXT PAGE

## 20.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

*This excludes HK 458, see pages 85-86 for HK 458 pressures

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Kawasaki | 70ZIV | 3.25 | 16 | 55 | 12 | 35 |
| Kawasaki | 70ZIV-2 | 3.5 | 16 | 60 | 12 | 35 |
| Kawasaki | 70ZV-2 | 3.5 | 16 | 55 | 12 | 35 |
| Kawasaki | 70TMV-2 | 3.4 | 20 | 65 | 12 | 40 |
| Kawasaki | 70Z7 | 3.7 | 16 | 65 | 12 | 35 |
| Kawasaki | 70Z7 HL | 3.7 | 20 | 70 | 16 | 40 |
| Kawasaki | 80ZV-2 | 4.2 | 20 | 75 | 16 | 45 |
| Komatsu | WA200-5 | 2.6 | 12 | 45 | 12 | 35 |
| Komatsu | WA200-6 | 2.6 | 12 | 45 | 12 | 35 |
| Komatsu | WA200PZ-6 | 2.5 | 12 | 50 | 12 | 35 |
| Komatsu | WA200-7 | 2.6 | 12 | 50 | 12 | 35 |
| Komatsu | WA200-8 | 2.6 | 12 | 50 | 12 | 35 |
| Komatsu | WA250-1 | 3 | 12 | 50 | 12 | 35 |
| Komatsu | WA250-3 | 3.5 | 16 | 55 | 12 | 35 |
| Komatsu | WA250-3 PTC | 3 | 16 | 55 | 12 | 35 |
| Komatsu | WA250-5 | 3 | 12 | 50 | 12 | 35 |
| Komatsu | WA250-6 | 3 | 12 | 50 | 12 | 35 |
| Komatsu | WA250PZ-6 | 3 | 16 | 55 | 12 | 35 |
| Komatsu | WA270-7 | 3 | 16 | 55 | 12 | 35 |
| Komatsu | WA270-8 | 3 | 16 | 55 | 12 | 35 |
| Komatsu | WA320-1 | 3.25 | 16 | 55 | 12 | 35 |
| Komatsu | WA320-3 | 4.2 | 20 | 65 | 12 | 40 |
| Komatsu | WA320-6 | 3.7 | 16 | 60 | 12 | 35 |
| Komatsu | WA320PZ-6 | 3.5 | 20 | 65 | 12 | 40 |
| Komatsu | WA320-7 | 3.7 | 20 | 65 | 12 | 40 |
| Komatsu | WA320-8 | 3.7 | 20 | 65 | 16 | 40 |
| Komatsu Dresser | 520CH | 2.5 | 12 | 45 | 12 | 35 |
| Komatsu Dresser | 525 | 2.7 | 12 | 50 | 12 | 35 |
| Komatsu Dresser | 530 | 3 | 16 | 55 | 12 | 35 |
| Komatsu Dresser | 530C | 3 | 16 | 55 | 12 | 35 |
| Komatsu Dresser | 532 | 3.2 | 16 | 60 | 12 | 35 |
| Liebherr | L538 Z-bar | 3.4 | 16 | 55 | 12 | 35 |
| Liebherr | L538 | 3 | 16 | 55 | 12 | 35 |
| Liebherr | L538 HL | 3 | 16 | 60 | 12 | 35 |
| Liebherr | L542 Z-bar | 3.7 | 16 | 65 | 12 | 35 |
| Liebherr | L542 | 3.3 | 16 | 60 | 12 | 35 |
| Liebherr | L542 HL | 3.3 | 16 | 65 | 12 | 35 |
| Liebherr | L546 Z-bar | 3.6 | 16 | 60 | 12 | 35 |
| Liebherr | L546 | 3.25 | 16 | 60 | 12 | 35 |
| Liebherr | L546 HL | 3.25 | 16 | 65 | 12 | 35 |
| New Holland | W170B | 3 | 16 | 55 | 12 | 35 |
| New Holland | W170B TC/LR | 3 | 16 | 55 | 12 | 35 |
| Terex | 55C | 3 | 16 | 55 | 12 | 35 |
| Terex | TL210 | 4.6 | 20 | 70 | 16 | 45 |
| Terex | TL260 | 5.9 | CT | CT | 20 | 55 |
| Volvo | L60F | 2.7 | 12 | 50 | 12 | 35 |
| Volvo | L60G | 2.75 | 12 | 50 | 12 | 35 |
| Volvo | L60H | 2.75 | 12 | 50 | 12 | 35 |
| Volvo | L70B | 2.1 | 12 | 45 | 12 | 35 |
| Volvo | L70C | 2.5 | 12 | 45 | 12 | 35 |
| Volvo | L70D | 2.5 | 12 | 45 | 12 | 35 |
| Volvo | L70F | 3 | 16 | 55 | 12 | 35 |
| Volvo | L70G | 3 | 16 | 55 | 12 | 35 |
| Volvo | L70H | 3 | 16 | 55 | 12 | 35 |
| Volvo | L90B | 3 | 16 | 55 | 12 | 35 |
| Volvo | L90C | 3.5 | 16 | 65 | 12 | 35 |
| Volvo | L90D | 3.5 | 20 | 65 | 12 | 40 |
| Volvo | L90E | 3.25 | 16 | 60 | 12 | 35 |
| Volvo | L90F | 3.5 | 20 | 65 | 12 | 40 |
| Volvo | L90G | 3.25 | 16 | 60 | 12 | 35 |
| Volvo | L90H | 3.25 | 16 | 60 | 12 | 35 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## TITAN HK 458 20.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | IT38F | 3.25 | 12 | 40 | 12 | 35 |
| Caterpillar | IT38G | 2.75 | 12 | 40 | 12 | 35 |
| Caterpillar | IT38G | 3.5 | 12 | 40 | 12 | 35 |
| Caterpillar | IT38H | 3.3 | 12 | 45 | 12 | 35 |
| Caterpillar | 924G | 2.3 | 12 | 35 | 12 | 35 |
| Caterpillar | 924H | 2.4 | 12 | 35 | 12 | 35 |
| Caterpillar | 924K | 2.5 | 12 | 40 | 12 | 35 |
| Caterpillar | 924K | 3.3 | 12 | 45 | 12 | 35 |
| Caterpillar | 924K | 4.6 | 12 | 50 | 12 | 35 |
| Caterpillar | 924K | 6.5 | 16 | 55 | 12 | 35 |
| Caterpillar | 926M | 4 | 12 | 45 | 12 | 35 |
| Caterpillar | 926M | 6.5 | 16 | 55 | 12 | 35 |
| Caterpillar | 928HZ | 2.6 | 12 | 35 | 12 | 35 |
| Caterpillar | 930H | 2.7 | 12 | 40 | 12 | 35 |
| Caterpillar | 930K | 2.75 | 12 | 40 | 12 | 35 |
| Caterpillar | 930K | 3.5 | 12 | 45 | 12 | 35 |
| Caterpillar | 930K | 4.6 | 12 | 50 | 12 | 35 |
| Caterpillar | 930K | 6.5 | 16 | 55 | 12 | 35 |
| Caterpillar | 930M | 2.75 | 12 | 40 | 12 | 35 |
| Caterpillar | 930M | 2.7 | 12 | 40 | 12 | 35 |
| Caterpillar | 930M | 3.5 | 12 | 45 | 12 | 35 |
| Caterpillar | 930M | 4 | 12 | 50 | 12 | 35 |
| Caterpillar | 930M | 6.5 | 16 | 60 | 12 | 35 |
| Caterpillar | 936F TC | 3 | 12 | 40 | 12 | 35 |
| Caterpillar | 938F | 3.25 | 12 | 40 | 12 | 35 |
| Caterpillar | 938G | 3.25 | 12 | 40 | 12 | 35 |
| Caterpillar | 938H | 3.65 | 12 | 45 | 12 | 35 |
| Caterpillar | 938K | 3.3 | 12 | 45 | 12 | 35 |
| Caterpillar | 938K | 4.2 | 12 | 50 | 12 | 35 |
| Caterpillar | 938K | 4.6 | 12 | 50 | 12 | 35 |
| Caterpillar | 938K | 6.5 | 16 | 60 | 12 | 35 |
| Caterpillar | 938M | 3.2 | 12 | 45 | 12 | 35 |
| Caterpillar | 938M | 4 | 12 | 50 | 12 | 35 |
| Caterpillar | 938M | 4.2 | 12 | 50 | 12 | 35 |
| Caterpillar | 938M | 6.5 | 16 | 60 | 12 | 35 |
| Caterpillar | 938M HL | 3.2 | 12 | 45 | 12 | 35 |
| Caterpillar | 950B | 3.75 | 12 | 50 | 12 | 35 |
| Caterpillar | 950F | 4 | 12 | 50 | 12 | 35 |
| Case | 521G Z-Bar | 2.1 | 12 | 35 | 12 | 35 |
| Case | 521G Z-Bar | 2 | 12 | 35 | 12 | 35 |
| Case | 521G Z-Bar | 2.3 | 12 | 35 | 12 | 35 |
| Case | 521G XR | 2.1 | 12 | 35 | 12 | 35 |
| Case | 521G XR | 2 | 12 | 35 | 12 | 35 |
| Case | 521G XR | 2.3 | 12 | 35 | 12 | 35 |
| Case | 521G XT | 2.1 | 12 | 35 | 12 | 35 |

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Case | 521G XT | 2 | 12 | 35 | 12 | 35 |
| Case | 621B | 2.25 | 12 | 35 | 12 | 35 |
| Case | 621B | 3 | 12 | 35 | 12 | 35 |
| Case | 621B XT | 2.25 | 12 | 40 | 12 | 35 |
| Case | 621D | 2.5 | 12 | 35 | 12 | 35 |
| Case | 621E | 3 | 12 | 40 | 12 | 35 |
| Case | 621E XT | 3 | 12 | 40 | 12 | 35 |
| Case | 621E XR | 3 | 12 | 40 | 12 | 35 |
| Case | 621G Z-Bar | 2.5 | 12 | 35 | 12 | 35 |
| Case | 621G Z-Bar | 2.4 | 12 | 35 | 12 | 35 |
| Case | 621G Z-Bar | 2.75 | 12 | 40 | 12 | 35 |
| Case | 621G XR | 2.5 | 12 | 40 | 12 | 35 |
| Case | 621G XR | 2.4 | 12 | 35 | 12 | 35 |
| Case | 621G XR | 2.75 | 12 | 40 | 12 | 35 |
| Case | 621G XT | 2.5 | 12 | 40 | 12 | 35 |
| Case | 621G XT | 2.4 | 12 | 40 | 12 | 35 |
| Case | 621G XT | 3 | 12 | 40 | 12 | 35 |
| Case | 621G XT | 2.8 | 12 | 40 | 12 | 35 |
| Case | 621G XT | 2.8 | 12 | 40 | 12 | 35 |
| Case | 721 | 2.75 | 12 | 35 | 12 | 35 |
| Case | 721B | 2.75 | 12 | 35 | 12 | 35 |
| Case | 721B XT | 2.75 | 12 | 40 | 12 | 35 |
| Case | 721C | 2.75 | 12 | 40 | 12 | 35 |
| Case | 721E | 3.5 | 12 | 40 | 12 | 35 |
| Case | 721E XT | 3 | 12 | 40 | 12 | 35 |
| Case | 721E XR | 3 | 12 | 40 | 12 | 35 |
| Case | 721F | 3 | 12 | 40 | 12 | 35 |
| Case | 721F XT | 3 | 12 | 40 | 12 | 35 |
| Case | 721F XR | 3 | 12 | 40 | 12 | 35 |
| Case | 721G Z-Bar | 3 | 12 | 40 | 12 | 35 |
| Case | 721G Z-Bar | 2.8 | 12 | 40 | 12 | 35 |
| Case | 721G Z-Bar | 3.25 | 12 | 40 | 12 | 35 |
| Case | 721G XR | 3 | 12 | 40 | 12 | 35 |
| Case | 721G XR | 2.8 | 12 | 40 | 12 | 35 |
| Case | 721G XR | 3.25 | 12 | 45 | 12 | 35 |
| Case | 721G XT | 3 | 12 | 45 | 12 | 35 |
| Case | 721G XT | 2.8 | 12 | 40 | 12 | 35 |
| Case | W30 | 3.5 | 12 | 40 | 12 | 35 |
| Deere | 444K Z-bar | 2.5 | 12 | 35 | 12 | 35 |
| Deere | 444K HL | 2.5 | 12 | 35 | 12 | 35 |
| Deere | 444K Powerllel | 2.5 | 12 | 40 | 12 | 35 |
| Deere | 524K Z-bar | 2.75 | 12 | 35 | 12 | 35 |
| Deere | 524K HL | 2.75 | 12 | 40 | 12 | 35 |
| Deere | 524L | 2.75 | 12 | 40 | 12 | 35 |

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## TITAN HK 458 20.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Deere | 524L HL | 2.75 | 12 | 40 | 12 | 35 |
| Deere | 544H | 3 | 12 | 40 | 12 | 35 |
| Deere | 544H-HL | 3 | 12 | 40 | 12 | 35 |
| Deere | 544J | 3 | 12 | 40 | 12 | 35 |
| Deere | 544J-HL | 3 | 12 | 40 | 12 | 35 |
| Deere | 544K | 3 | 12 | 40 | 12 | 35 |
| Deere | 544K-HL | 3 | 12 | 40 | 12 | 35 |
| Deere | 544L | 3 | 12 | 40 | 12 | 35 |
| Deere | 544L HL | 2.75 | 12 | 40 | 12 | 35 |
| Deere | 624E | 2.6 | 12 | 40 | 12 | 35 |
| Deere | 624G | 3.25 | 12 | 40 | 12 | 35 |
| Deere | 624H | 3.5 | 12 | 40 | 12 | 35 |
| Deere | 624H-HL | 3 | 12 | 40 | 12 | 35 |
| Deere | 624K | 3.5 | 12 | 45 | 12 | 35 |
| Deere | 624K-HL | 3.5 | 12 | 45 | 12 | 35 |
| Deere | 624L | 3.5 | 12 | 45 | 12 | 35 |
| Deere | 624L HL | 3.5 | 12 | 45 | 12 | 35 |
| Deere | 644B | 2.5 | 12 | 35 | 12 | 35 |
| Deere | 644C | 3 | 12 | 40 | 12 | 35 |
| Hitachi | ZW140-5 | 3 | 12 | 35 | 12 | 35 |
| Hitachi | ZW140-5 HL | 2.1 | 12 | 35 | 12 | 35 |
| Hitachi | ZW140-6 | 2.7 | 12 | 35 | 12 | 35 |
| Hitachi | ZW140-6 HL | 2.7 | 12 | 40 | 12 | 35 |
| Hitachi | ZW150 | 3 | 12 | 35 | 12 | 35 |
| Hitachi | ZW150 HL | 2.6 | 12 | 40 | 12 | 35 |
| Hitachi | ZW150-5 | 3.3 | 12 | 40 | 12 | 35 |
| Hitachi | ZW150-5 HL | 2.6 | 12 | 35 | 12 | 35 |
| Hitachi | ZW150-6 | 3.1 | 12 | 40 | 12 | 35 |
| Hitachi | ZW150-6 HL | 3.1 | 12 | 40 | 12 | 35 |
| Hitachi | ZW150PL-6 | 2.7 | 12 | 35 | 12 | 35 |
| Hitachi | ZW180 | 3.6 | 12 | 45 | 12 | 35 |
| Hitachi | ZW180 HL | 3.1 | 12 | 45 | 12 | 35 |
| Hitachi | ZW180-5 | 3.7 | 12 | 45 | 12 | 35 |
| Hitachi | ZW180-5 HL | 3.1 | 12 | 45 | 12 | 35 |
| Hitachi | ZW180-6 | 3.7 | 12 | 45 | 12 | 35 |
| Hitachi | ZW180-6 HL | 3.7 | 12 | 45 | 12 | 35 |
| Hyundai | HL25 | 3.5 | 12 | 50 | 12 | 35 |
| Hyundai | HL740-7A | 2.7 | 12 | 35 | 12 | 35 |
| Hyundai | HL740XTD-7A | 2.7 | 12 | 35 | 12 | 35 |
| Hyundai | HL740TM-7A | 2.6 | 12 | 35 | 12 | 35 |
| Hyundai | HL740-9A | 3 | 12 | 40 | 12 | 35 |
| Hyundai | HL740XTD-9A | 3 | 12 | 40 | 12 | 35 |
| Hyundai | HL740TM-9A | 3 | 12 | 40 | 12 | 35 |
| Hyundai | HL750 | 3 | 12 | 40 | 12 | 35 |
| Hyundai | HL757-7A | 2.7 | 12 | 40 | 12 | 35 |
| Hyundai | HL757XTD-7A | 2.7 | 12 | 40 | 12 | 35 |
| Hyundai | HL757TM-7A | 2.5 | 12 | 40 | 12 | 35 |
| Hyundai | HL757-9A | 3.7 | 12 | 45 | 12 | 35 |
| Hyundai | HL757XTD-9A | 3.7 | 12 | 45 | 12 | 35 |
| Hyundai | HL757TM-9A | 3.5 | 12 | 45 | 12 | 35 |
| Hyundai | HL760-9A | 4.3 | 12 | 50 | 12 | 35 |
| Hyundai | HL760XTD-9A | 4.3 | 12 | 55 | 12 | 35 |
| Hyundai | HL940 | 3 | 12 | 40 | 12 | 35 |
| Hyundai | HL940 XT | 3 | 12 | 40 | 12 | 35 |
| Hyundai | HL955 | 3.1 | 12 | 45 | 12 | 35 |
| Hyundai | HL955 XTD | 3.1 | 12 | 45 | 12 | 35 |
| Hyundai | HL960 | 3.8 | 12 | 50 | 12 | 35 |
| Hyundai | HL960 XT | 3.8 | 12 | 50 | 12 | 35 |
| Komatsu | WA200-5 | 2.6 | 12 | 35 | 12 | 35 |
| Komatsu | WA200-6 | 2.6 | 12 | 35 | 12 | 35 |
| Komatsu | WA200PZ-6 | 2.5 | 12 | 35 | 12 | 35 |
| Komatsu | WA200-7 | 2.6 | 12 | 35 | 12 | 35 |
| Komatsu | WA200-8 | 2.6 | 12 | 35 | 12 | 35 |
| Komatsu | WA250-1 | 3 | 12 | 35 | 12 | 35 |
| Komatsu | WA250-3 | 3.5 | 12 | 35 | 12 | 35 |
| Komatsu | WA250-3 PTC | 3 | 12 | 35 | 12 | 35 |
| Komatsu | WA250-5 | 3 | 12 | 35 | 12 | 35 |
| Komatsu | WA250-6 | 3 | 12 | 35 | 12 | 35 |
| Komatsu | WA250PZ-6 | 3 | 12 | 40 | 12 | 35 |
| Komatsu | WA270-7 | 3 | 12 | 40 | 12 | 35 |
| Komatsu | WA270-8 | 3 | 12 | 40 | 12 | 35 |
| Komatsu | WA320-1 | 3.25 | 12 | 40 | 12 | 35 |
| Komatsu | WA320-3 | 4.2 | 12 | 45 | 12 | 35 |
| Komatsu | WA320-6 | 3.7 | 12 | 45 | 12 | 35 |
| Komatsu | WA320PZ-6 | 3.5 | 12 | 45 | 12 | 35 |
| Komatsu | WA320-7 | 3.7 | 12 | 45 | 12 | 35 |
| Komatsu | WA320-8 | 3.7 | 12 | 45 | 12 | 35 |
| Komatsu Dresser | 520CH | 2.5 | 12 | 35 | 12 | 35 |
| Komatsu Dresser | 525 | 2.7 | 12 | 35 | 12 | 35 |
| Komatsu Dresser | 530 | 3 | 12 | 40 | 12 | 35 |
| Komatsu Dresser | 530C | 3 | 12 | 40 | 12 | 35 |
| Komatsu Dresser | 532 | 3.2 | 12 | 40 | 12 | 35 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 23.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

*This excludes HK 458, see pages 89-90 for HK 458 pressures

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 924K | 2.5 | 12 | 45 | 12 | 35 |
| Caterpillar | 926M | 2.5 | 12 | 45 | 12 | 35 |
| Caterpillar | 930K | 2.75 | 12 | 45 | 12 | 35 |
| Caterpillar | 930M | 2.75 | 12 | 45 | 12 | 35 |
| Caterpillar | 938K | 3.25 | 16 | 50 | 12 | 35 |
| Caterpillar | 938M | 3.25 | 16 | 55 | 12 | 35 |
| Caterpillar | 950F TC | 4 | 16 | 60 | 12 | 35 |
| Caterpillar | 950E | 4 | 16 | 60 | 12 | 35 |
| Caterpillar | 950F-II | 4 | 20 | 60 | 12 | 35 |
| Caterpillar | 950G | 3.9 | 16 | 60 | 12 | 35 |
| Caterpillar | 950GC | 4 | 20 | 60 | 12 | 35 |
| Caterpillar | 950G -II | 2.7 | 12 | 50 | 12 | 35 |
| Caterpillar | 950H | 4 | 20 | 60 | 12 | 35 |
| Caterpillar | 950K | 3.5 | 16 | 55 | 12 | 35 |
| Caterpillar | 950L | 7.5 | 16 | 60 | 12 | 35 |
| Caterpillar | 950M | 4.5 | 20 | 65 | 16 | 40 |
| Caterpillar | 960F | 4.5 | 20 | 65 | 16 | 40 |
| Caterpillar | 962G | 4.25 | 20 | 65 | 16 | 35 |
| Caterpillar | 962H | 4.5 | 20 | 65 | 16 | 40 |
| Caterpillar | 962K | 3.5 | 16 | 60 | 12 | 35 |
| Caterpillar | 962L | 3.9 | 20 | 60 | 12 | 35 |
| Caterpillar | 962M | 4.7 | 24 | 70 | 16 | 40 |
| Caterpillar | 966C | 4 | 20 | 60 | 12 | 35 |
| Caterpillar | 966D | 4.25 | 20 | 65 | 16 | 40 |
| Caterpillar | 966F | 5 | 24 | 70 | 16 | 45 |
| Caterpillar | IT62H | 4.25 | 20 | 65 | 16 | 35 |
| Case | 821 | 3.5 | 12 | 50 | 12 | 35 |
| Case | 821B | 3.5 | 16 | 50 | 12 | 35 |
| Case | 821C | 3.5 | 16 | 55 | 12 | 35 |
| Case | 821E | 4.5 | 20 | 60 | 12 | 35 |
| Case | 821E XR | 4.5 | 20 | 65 | 16 | 35 |
| Case | 821F | 3.5 | 16 | 55 | 12 | 35 |
| Case | 821F XR | 3.5 | 16 | 55 | 12 | 35 |
| Case | 821G XR | 3.2 | 20 | 60 | 12 | 35 |
| Case | 821G XR | 3.5 | 16 | 55 | 12 | 35 |
| Case | 821G XR | 4.25 | 20 | 65 | 16 | 35 |
| Case | 821G Z-Bar | 3.2 | 16 | 50 | 12 | 35 |
| Case | 821G Z-Bar | 3.5 | 16 | 55 | 12 | 35 |
| Case | 821G Z-Bar | 4.25 | 20 | 60 | 12 | 35 |
| Case | 921F | 4.75 | 20 | 65 | 16 | 35 |
| Case | 921F XR | 4.75 | 24 | 70 | 16 | 40 |
| Case | 921G XR | 3.8 | 20 | 60 | 16 | 35 |
| Case | 921G XR | 4 | 20 | 65 | 16 | 40 |
| Case | 921G XR | 4.6 | 24 | 70 | 16 | 40 |
| Case | 921G Z-Bar | 3.8 | 20 | 65 | 16 | 40 |
| Case | 921G Z-Bar | 4 | 20 | 60 | 16 | 35 |
| Case | 921G Z-Bar | 4.6 | 20 | 65 | 16 | 35 |
| Case | W36 | 4 | 16 | 55 | 12 | 35 |
| Daewoo | Mega 300 | 3.8 | 16 | 55 | 12 | 35 |
| Daewoo | Mega 300-III | 2.9 | 12 | 50 | 12 | 35 |
| Deere | 644D | 3.2 | 12 | 50 | 12 | 35 |
| Deere | 644E | 3.2 | 12 | 50 | 12 | 35 |
| Deere | 644G | 4 | 16 | 55 | 12 | 35 |
| Deere | 644H | 4.25 | 16 | 55 | 12 | 35 |
| Deere | 644H-HL | 4.25 | 20 | 60 | 12 | 35 |
| Deere | 644H-MH | 4.5 | 20 | 60 | 12 | 35 |
| Deere | 644H-WH | 6 | 24 | 75 | 16 | 45 |
| Deere | 644K | 4.25 | 20 | 60 | 12 | 35 |
| Deere | 644K-HL | 4.25 | 20 | 65 | 16 | 35 |
| Deere | 644K-WH | 5 | 24 | 70 | 16 | 45 |
| Deere | 724J | 4.75 | 20 | 65 | 16 | 35 |
| Deere | 724J-HL | 4.25 | 20 | 60 | 16 | 35 |
| Deere | 724K | 4.75 | 20 | 65 | 16 | 35 |
| Deere | 724K-HL | 4.25 | 20 | 65 | 16 | 35 |
| Doosan | DL300 | 4.2 | 16 | 60 | 12 | 35 |
| Doosan | DL300-5 | 4.2 | 20 | 60 | 12 | 35 |
| Doosan | DL300-5 HL | 4.2 | 20 | 65 | 16 | 40 |
| Doosan | DL350-5 | 4.8 | 20 | 65 | 16 | 40 |
| Doosan | DL350-5 HL | 4.8 | 24 | 70 | 16 | 45 |
| Fiatallis | FR160 | 3.6 | 16 | 50 | 12 | 35 |
| Fiatallis | FR160-2 | 4 | 16 | 55 | 12 | 35 |
| Fiatallis | FR180 | 4 | 16 | 55 | 12 | 35 |
| Fiatallis | FR180-2 | 4 | 16 | 55 | 12 | 35 |
| Fiatallis | FR20 | 4.5 | 20 | 65 | 16 | 35 |
| Fiatallis | FR20B | 4.6 | 20 | 65 | 16 | 40 |
| Fiat Hitachi | W190 | 3.3 | 12 | 50 | 12 | 35 |
| Fiat Hitachi | W230 | 4.6 | 20 | 65 | 16 | 35 |
| Fiat Hitachi | FR160-2 | 4 | 16 | 55 | 12 | 35 |
| Hitachi | ZW180-6 | 3.7 | 16 | 50 | 12 | 35 |
| Hitachi | ZW180-6 HL | 3.7 | 16 | 55 | 12 | 35 |
| Hitachi | ZW220 | 4.2 | 16 | 60 | 12 | 35 |
| Hitachi | ZW220 HL | 3.5 | 16 | 55 | 12 | 35 |
| Hitachi | ZW220-5 | 4.5 | 20 | 60 | 12 | 35 |
| Hitachi | ZW220-5 HL | 3.5 | 16 | 55 | 12 | 35 |
| Hitachi | ZW220-6 | 4.2 | 16 | 60 | 12 | 35 |
| Hitachi | ZW220-6 HL | 4.2 | 20 | 60 | 12 | 35 |
| Hitachi | ZW250 | 4.5 | 20 | 65 | 16 | 35 |
| Hitachi | ZW250 HL | 4 | 20 | 65 | 16 | 35 |

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## 23.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

*This excludes HK 458, see pages 89-90 for HK 458 pressures

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Hitachi | ZW250-5 | 5.2 | 24 | 70 | 16 | 40 |
| Hitachi | ZW250-5 HL | 4 | 20 | 65 | 16 | 35 |
| Hitachi | ZW250-6 | 4.8 | 24 | 65 | 16 | 40 |
| Hitachi | ZW250-6 HL | 4.8 | 24 | 70 | 16 | 45 |
| Hyundai | HL35 | 4.8 | 24 | 70 | 16 | 40 |
| Hyundai | HL760 | 4 | 20 | 60 | 12 | 35 |
| Hyundai | HL760-7A | 4 | 16 | 60 | 12 | 35 |
| Hyundai | HL760-XTD-7A | 4 | 20 | 60 | 12 | 35 |
| Hyundai | HL760-9 | 4.3 | 20 | 60 | 12 | 35 |
| Hyundai | HL760XTD-9 | 4.3 | 20 | 65 | 16 | 35 |
| Hyundai | HL760-9A | 4.3 | 20 | 60 | 12 | 35 |
| Hyundai | HL760XTD-9A | 4.3 | 20 | 65 | 16 | 35 |
| Hyundai | HL770-7 | 5.2 | 24 | 75 | 20 | 45 |
| Hyundai | HL770-XTD-7 | 5.2 | CT | CT | 20 | 45 |
| Hyundai | HL770-7A | 4 | 20 | 65 | 16 | 35 |
| Hyundai | HL770-XTD-7A | 4 | 24 | 70 | 16 | 40 |
| Hyundai | HL770-9 | 5.5 | 24 | 75 | 20 | 45 |
| Hyundai | HL770XTD-9 | 5.5 | CT | CT | 20 | 50 |
| Hyundai | HL770-9A | 5.5 | 24 | 80 | 20 | 45 |
| Hyundai | HL770XTD-9A | 5.5 | CT | CT | 20 | 50 |
| Hyundai | HL960 | 3.8 | 16 | 60 | 12 | 35 |
| Hyundai | HL960 XT | 3.8 | 16 | 60 | 12 | 35 |
| Hyundai | HL970 | 4.7 | 24 | 70 | 16 | 40 |
| Hyundai | HL970 XTD | 4.7 | 24 | 75 | 20 | 45 |
| JCB | 456ZX | 4.3 | 20 | 60 | 16 | 35 |
| JCB | 457HT | 4.1 | 20 | 60 | 12 | 35 |
| JCB | 457HT SHL | 4.1 | 24 | 70 | 16 | 45 |
| JCB | 457ZX | 4.1 | 20 | 60 | 12 | 35 |
| JCB | 457ZX HL | 4.1 | 20 | 65 | 16 | 40 |
| Kawasaki | 70ZV-2 | 3.5 | 16 | 50 | 12 | 35 |
| Kawasaki | 70ZV-2 HL | 3.5 | 16 | 55 | 12 | 35 |
| Kawasaki | 70TMV-2 | 3.4 | 16 | 55 | 12 | 35 |
| Kawasaki | 70Z7 | 3.7 | 16 | 50 | 12 | 35 |
| Kawasaki | 70Z7 HL | 3.7 | 16 | 55 | 12 | 35 |
| Kawasaki | 80Z | 3.75 | 16 | 55 | 12 | 35 |
| Kawasaki | 80ZII | 3.75 | 16 | 55 | 12 | 35 |
| Kawasaki | 80ZIII | 3.75 | 16 | 55 | 12 | 35 |
| Kawasaki | 80ZIV | 3.75 | 16 | 55 | 12 | 35 |
| Kawasaki | 80ZIV-2 | 4 | 16 | 55 | 12 | 35 |
| Kawasaki | 80ZV-2 | 4.2 | 20 | 60 | 12 | 35 |
| Kawasaki | 80Z7 | 4.2 | 16 | 60 | 12 | 35 |
| Kawasaki | 80Z7 HL | 4.2 | 20 | 60 | 12 | 35 |
| Kawasaki | 85Z7 | 4.8 | 20 | 65 | 16 | 40 |
| Kawasaki | 85Z7 HL | 4.8 | 24 | 70 | 16 | 45 |
| Kawasaki | 90Z7 | 5.5 | CT | CT | 20 | 50 |
| Kawasaki | 90Z7 HL | 5.5 | CT | CT | 20 | 50 |
| Kawasaki | 90Z7B | 5.5 | CT | CT | 20 | 45 |
| Kawasaki | 90Z7B HL | 5.5 | CT | CT | 20 | 50 |
| Komatsu | WA380-3 | 5.25 | 20 | 65 | 16 | 40 |
| Komatsu | WA380-6 | 4.3 | 16 | 60 | 12 | 35 |
| Komatsu | WA380-7 | 4.3 | 20 | 60 | 12 | 35 |
| Komatsu | WA380-7 HL | 3.8 | 16 | 55 | 12 | 35 |
| Komatsu | WA380-8 | 4.3 | 20 | 60 | 12 | 35 |
| Komatsu | WA380-8 HL | 3.8 | 20 | 60 | 12 | 35 |
| Komatsu | WA430-6 | 4.6 | 20 | 65 | 16 | 35 |
| Komatsu Dresser | 538 | 4 | 20 | 60 | 12 | 35 |
| Komatsu Dresser | 540 | 4.5 | 20 | 60 | 12 | 35 |
| Liebherr | L550 | 4.2 | 16 | 60 | 12 | 35 |
| Liebherr | L550 HL | 3.4 | 16 | 55 | 12 | 35 |
| Liebherr | L550XP | 4.2 | 20 | 60 | 12 | 35 |
| Liebherr | L550XP HL | 3.4 | 16 | 60 | 12 | 35 |
| Liebherr | L556 | 4.7 | 20 | 60 | 12 | 35 |
| Liebherr | L556 HL | 3.7 | 20 | 60 | 12 | 35 |
| Liebherr | L556XP | 4.7 | 20 | 65 | 16 | 40 |
| Liebherr | L556XP HL | 3.7 | 20 | 60 | 12 | 35 |
| New Holland | W190B | 3.44 | 16 | 50 | 12 | 35 |
| New Holland | W190B LR | 3.44 | 16 | 55 | 12 | 35 |
| Terex | 66C | 4 | 20 | 60 | 16 | 35 |
| Terex | 70C | 4.4 | 20 | 60 | 16 | 35 |
| Terex | TL310 | 4 | 16 | 60 | 12 | 35 |
| Volvo | L110F | 4.4 | 20 | 65 | 16 | 35 |
| Volvo | L110G | 4.5 | 20 | 65 | 16 | 35 |
| Volvo | L110H | 4 | 16 | 60 | 12 | 35 |
| Volvo | L120B | 3.9 | 16 | 55 | 12 | 35 |
| Volvo | L120C | 4.7 | 20 | 65 | 16 | 35 |
| Volvo | L120D | 4.7 | 20 | 65 | 16 | 40 |
| Volvo | L120F | 4.7 | 24 | 65 | 16 | 40 |
| Volvo | L120G | 4.5 | 20 | 65 | 16 | 35 |
| Volvo | L120H | 4.25 | 20 | 60 | 12 | 35 |
| Volvo | L150 | 4.5 | 24 | 70 | 16 | 40 |
| Volvo | L150C | 5.2 | 24 | 70 | 16 | 45 |
| Volvo | L150D | 5.2 | 24 | 75 | 20 | 45 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## TITAN HK 458 23.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 924K | 2.5 | 12 | 35 | 12 | 35 |
| Caterpillar | 926M | 2.5 | 12 | 35 | 12 | 35 |
| Caterpillar | 930K | 2.75 | 12 | 35 | 12 | 35 |
| Caterpillar | 930M | 2.75 | 12 | 35 | 12 | 35 |
| Caterpillar | 938K | 3.25 | 12 | 40 | 12 | 35 |
| Caterpillar | 938M | 3.25 | 12 | 40 | 12 | 35 |
| Caterpillar | 950F TC | 4 | 12 | 40 | 12 | 35 |
| Caterpillar | 950E | 4 | 12 | 40 | 12 | 35 |
| Caterpillar | 950F-II | 4 | 12 | 40 | 12 | 35 |
| Caterpillar | 950G | 3.9 | 12 | 45 | 12 | 35 |
| Caterpillar | 950GC | 4 | 12 | 45 | 12 | 35 |
| Caterpillar | 950G -II | 2.7 | 12 | 35 | 12 | 35 |
| Caterpillar | 950H | 4 | 12 | 40 | 12 | 35 |
| Caterpillar | 950K | 3.5 | 12 | 40 | 12 | 35 |
| Caterpillar | 950M | 4.5 | 12 | 45 | 12 | 35 |
| Caterpillar | 960F | 4.5 | 12 | 45 | 12 | 35 |
| Caterpillar | 962G | 4.25 | 12 | 45 | 12 | 35 |
| Caterpillar | 962H | 4.5 | 12 | 45 | 12 | 35 |
| Caterpillar | 962K | 3.5 | 12 | 45 | 12 | 35 |
| Caterpillar | 962M | 4.7 | 12 | 45 | 12 | 35 |
| Caterpillar | 966C | 4 | 12 | 45 | 12 | 35 |
| Caterpillar | 966D | 4.25 | 12 | 45 | 12 | 35 |
| Caterpillar | IT62H | 4.25 | 12 | 45 | 12 | 35 |
| Case | 821 | 3.5 | 12 | 35 | 12 | 35 |
| Case | 821B | 3.5 | 12 | 40 | 12 | 35 |
| Case | 821C | 3.5 | 12 | 40 | 12 | 35 |
| Case | 821E | 4.5 | 12 | 40 | 12 | 35 |
| Case | 821E XR | 4.5 | 12 | 45 | 12 | 35 |
| Case | 821F | 3.5 | 12 | 40 | 12 | 35 |
| Case | 821F XR | 3.5 | 12 | 40 | 12 | 35 |
| Case | 821G XR | 3.2 | 12 | 45 | 12 | 35 |
| Case | 821G XR | 3.5 | 12 | 40 | 12 | 35 |
| Case | 821G XR | 4.25 | 12 | 45 | 12 | 35 |
| Case | 821G Z-Bar | 3.2 | 12 | 40 | 12 | 35 |
| Case | 821G Z-Bar | 3.5 | 12 | 40 | 12 | 35 |
| Case | 821G Z-Bar | 4.25 | 12 | 40 | 12 | 35 |
| Case | 921F | 4.75 | 12 | 45 | 12 | 35 |
| Case | 921F XR | 4.75 | 12 | 45 | 12 | 35 |
| Case | 921G XR | 3.8 | 12 | 45 | 12 | 35 |
| Case | 921G XR | 4 | 12 | 45 | 12 | 35 |
| Case | 921G XR | 4.6 | 12 | 45 | 12 | 35 |
| Case | 921G Z-Bar | 3.8 | 12 | 45 | 12 | 35 |
| Case | 921G Z-Bar | 4 | 12 | 45 | 12 | 35 |
| Case | 921G Z-Bar | 4.6 | 12 | 45 | 12 | 35 |

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Case | W36 | 4 | 12 | 40 | 12 | 35 |
| Deere | 644D | 3.2 | 12 | 35 | 12 | 35 |
| Deere | 644E | 3.2 | 12 | 35 | 12 | 35 |
| Deere | 644G | 4 | 12 | 40 | 12 | 35 |
| Deere | 644H | 4.25 | 12 | 40 | 12 | 35 |
| Deere | 644H-HL | 4.25 | 12 | 40 | 12 | 35 |
| Deere | 644H-MH | 4.5 | 12 | 40 | 12 | 35 |
| Deere | 644H-WH | 6 | 12 | 45 | 12 | 35 |
| Deere | 644K | 4.25 | 12 | 40 | 12 | 35 |
| Deere | 644K-HL | 4.25 | 12 | 45 | 12 | 35 |
| Deere | 644K-WH | 5 | 12 | 50 | 12 | 35 |
| Deere | 724J | 4.75 | 12 | 45 | 12 | 35 |
| Deere | 724J-HL | 4.25 | 12 | 45 | 12 | 35 |
| Deere | 724K | 4.75 | 12 | 45 | 12 | 35 |
| Deere | 724K-HL | 4.25 | 12 | 45 | 12 | 35 |
| Hitachi | ZW180-6 | 3.7 | 12 | 40 | 12 | 35 |
| Hitachi | ZW180-6 HL | 3.7 | 12 | 40 | 12 | 35 |
| Hitachi | ZW220 | 4.2 | 12 | 40 | 12 | 35 |
| Hitachi | ZW220 HL | 3.5 | 12 | 40 | 12 | 35 |
| Hitachi | ZW220-5 | 4.5 | 12 | 45 | 12 | 35 |
| Hitachi | ZW220-5 HL | 3.5 | 12 | 40 | 12 | 35 |
| Hitachi | ZW220-6 | 4.2 | 12 | 40 | 12 | 35 |
| Hitachi | ZW220-6 HL | 4.2 | 12 | 45 | 12 | 35 |
| Hitachi | ZW250 | 4.5 | 12 | 45 | 12 | 35 |
| Hitachi | ZW250 HL | 4 | 12 | 45 | 12 | 35 |
| Hitachi | ZW250-5 | 5.2 | 12 | 45 | 12 | 35 |
| Hitachi | ZW250-5 HL | 4 | 12 | 45 | 12 | 35 |
| Hitachi | ZW250-6 | 4.8 | 12 | 45 | 12 | 35 |
| Hitachi | ZW250-6 HL | 4.8 | 12 | 50 | 12 | 35 |
| Hyundai | HL35 | 4.8 | 12 | 50 | 12 | 35 |
| Hyundai | HL760 | 4 | 12 | 45 | 12 | 35 |
| Hyundai | HL760-7A | 4 | 12 | 40 | 12 | 35 |
| Hyundai | HL760-XTD-7A | 4 | 12 | 45 | 12 | 35 |
| Hyundai | HL760-9 | 4.3 | 12 | 40 | 12 | 35 |
| Hyundai | HL760XTD-9 | 4.3 | 12 | 45 | 12 | 35 |
| Hyundai | HL760-9A | 4.3 | 12 | 45 | 12 | 35 |
| Hyundai | HL760XTD-9A | 4.3 | 12 | 45 | 12 | 35 |
| Hyundai | HL770-7 | 5.2 | 12 | 50 | 12 | 35 |
| Hyundai | HL770-XTD-7 | 5.2 | 16 | 50 | 12 | 35 |
| Hyundai | HL770-7A | 4 | 12 | 45 | 12 | 35 |
| Hyundai | HL770-XTD-7A | 4 | 12 | 50 | 12 | 35 |
| Hyundai | HL770-9 | 5.5 | 16 | 50 | 12 | 35 |
| Hyundai | HL770XTD-9 | 5.5 | 16 | 55 | 12 | 35 |
| Hyundai | HL770-9A | 5.5 | 16 | 50 | 12 | 35 |

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## TITAN HK 458 23.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Hyundai | HL770XTD-9A | 5.5 | 16 | 55 | 12 | 35 |
| Hyundai | HL960 | 3.8 | 12 | 40 | 12 | 35 |
| Hyundai | HL960 XT | 3.8 | 12 | 40 | 12 | 35 |
| Hyundai | HL970 | 4.7 | 12 | 50 | 12 | 35 |
| Hyundai | HL970 XTD | 4.7 | 16 | 50 | 12 | 35 |
| Komatsu | WA380-3 | 5.25 | 12 | 45 | 12 | 35 |
| Komatsu | WA380-6 | 4.3 | 12 | 40 | 12 | 35 |
| Komatsu | WA380-7 | 4.3 | 12 | 40 | 12 | 35 |
| Komatsu | WA380-7 HL | 3.8 | 12 | 40 | 12 | 35 |
| Komatsu | WA380-8 | 4.3 | 12 | 40 | 12 | 35 |
| Komatsu | WA380-8 HL | 3.8 | 12 | 45 | 12 | 35 |
| Komatsu | WA430-6 | 4.6 | 12 | 45 | 12 | 35 |
| Volvo | L150D | 5.2 | 24 | 75 | 20 | 45 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 26.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 966E | 5 | 20 | 60 | 20 | 35 |
| Caterpillar | 966F | 5 | 20 | 60 | 20 | 35 |
| Caterpillar | 966F-II | 5 | 20 | 60 | 20 | 35 |
| Caterpillar | 966G | 4.75 | 20 | 65 | 20 | 35 |
| Caterpillar | 966H | 5.5 | 20 | 65 | 20 | 40 |
| Caterpillar | 966H | 5.75 | 20 | 65 | 20 | 40 |
| Caterpillar | 966K | 5.5 | 20 | 70 | 20 | 40 |
| Caterpillar | 966L | 5.5 | 20 | 65 | 20 | 40 |
| Caterpillar | 966M | 5.5 | 20 | 65 | 20 | 40 |
| Caterpillar | 966M XE | 5.5 | 20 | 65 | 20 | 40 |
| Caterpillar | 970F | 5.25 | 20 | 65 | 20 | 40 |
| Caterpillar | 972G | 5.4 | 20 | 65 | 20 | 40 |
| Caterpillar | 972H | 6 | 26 | 70 | 20 | 40 |
| Caterpillar | 972K | 5.5 | 20 | 70 | 20 | 40 |
| Caterpillar | 972L | 5.5 | 20 | 70 | 20 | 40 |
| Caterpillar | 972M | 6 | 20 | 65 | 20 | 40 |
| Caterpillar | 972M XE | 6 | 26 | 70 | 20 | 40 |
| Case | 921 | 4.75 | 20 | 60 | 20 | 35 |
| Case | 921B | 4.75 | 20 | 60 | 20 | 35 |
| Case | 921C | 4.75 | 20 | 60 | 20 | 35 |
| Case | 921E | 5.75 | 20 | 65 | 20 | 35 |
| Case | 921E XR | 5.75 | 26 | 70 | 20 | 40 |
| Case | 921F | 4.75 | 20 | 55 | 20 | 35 |
| Case | 921F XR | 4.75 | 20 | 60 | 20 | 35 |
| Case | 1021G Z-Bar | 4.75 | 20 | 65 | 20 | 35 |
| Case | 1021G Z-Bar | 4.6 | 20 | 60 | 20 | 35 |
| Case | 1021G Z-Bar | 5.5 | 20 | 70 | 20 | 40 |
| Case | 1021G XR | 4.75 | 20 | 65 | 20 | 40 |
| Case | 1021G XR | 4.6 | 20 | 65 | 20 | 40 |
| Case | 1021G XR | 5.5 | 26 | 75 | 20 | 45 |
| Case | 1121F Z-bar | 5.25 | 20 | 65 | 20 | 40 |
| Case | 1121F Z-bar | 6.25 | 26 | 75 | 20 | 45 |
| Case | 1121F XR | 5.25 | 26 | 70 | 20 | 40 |
| Case | 1121F XR | 6.25 | 32 | 80 | 20 | 50 |
| Case | 1121G Z-Bar | 5.25 | 26 | 70 | 20 | 40 |
| Case | 1121G Z-Bar | 5.1 | 20 | 70 | 20 | 40 |
| Case | 1121G Z-Bar | 6.25 | 26 | 75 | 20 | 45 |
| Case | 1121G XR | 5.25 | 26 | 70 | 20 | 45 |
| Case | 1121G XR | 5.1 | 26 | 70 | 20 | 40 |
| Case | 1121G XR | 6.25 | 32 | 80 | 20 | 50 |
| Daewoo | Mega 400 | 5.1 | 20 | 60 | 20 | 35 |
| Daewoo | Mega 400-III | 3.9 | 20 | 55 | 20 | 35 |
| Deere | 744E | 5 | 20 | 60 | 20 | 35 |
| Deere | 744H | 5.25 | 20 | 60 | 20 | 35 |
| Deere | 744H-HL | 4.5 | 20 | 60 | 20 | 35 |
| Deere | 744H-MH | 5.75 | 20 | 70 | 20 | 40 |
| Deere | 744J | 5.25 | 20 | 65 | 20 | 40 |
| Deere | 744J HL | 5.25 | 26 | 70 | 20 | 40 |
| Deere | 744K | 5.25 | 20 | 65 | 20 | 35 |
| Deere | 744K-HL | 5.25 | 20 | 70 | 20 | 40 |
| Deere | 744K-II | 5.25 | 20 | 65 | 20 | 40 |
| Deere | 744K-II HL | 5.25 | 26 | 70 | 20 | 40 |
| Deere | 744L | 5.25 | 20 | 65 | 20 | 40 |
| Deere | 744L HL | 5.25 | 26 | 70 | 20 | 40 |
| Deere | 824J | 6 | 26 | 75 | 20 | 45 |
| Deere | 824J HL | 5.25 | 26 | 70 | 20 | 45 |
| Deere | 824K | 6 | 26 | 70 | 20 | 45 |
| Deere | 824K-HL | 6 | 26 | 75 | 20 | 45 |
| Deere | 824K-II | 6 | 26 | 75 | 20 | 45 |
| Deere | 824K-II HL | 6 | 26 | 75 | 20 | 45 |
| Deere | 824L | 6 | 26 | 75 | 20 | 45 |
| Deere | 824L HL | 6 | 32 | 80 | 20 | 50 |
| Deere | 844 | 6 | 26 | 70 | 20 | 40 |
| Doosan | DL400 | 5.1 | 20 | 60 | 20 | 35 |
| Doosan | DL420-5 | 5.5 | 20 | 65 | 20 | 35 |
| Doosan | DL420-5 HL | 5.5 | 26 | 70 | 20 | 40 |
| Doosan | DL450 | 6.3 | 26 | 75 | 20 | 45 |
| Doosan | DL450-3 | 5.88 | 26 | 70 | 20 | 40 |
| Doosan | DL450-5 | 6.3 | 26 | 75 | 20 | 45 |
| Doosan | DL450-5 HL | 6.3 | 26 | 75 | 20 | 45 |
| Fiatallis | FR220 | 5.1 | 20 | 60 | 20 | 35 |
| Fiatallis | FR220-2 | 5 | 20 | 60 | 20 | 35 |
| Fiat Hitachi | W270 | 5.2 | 20 | 60 | 20 | 35 |
| Fiat Hitachi | FR220-2 | 5 | 20 | 60 | 20 | 35 |
| Furukawa | FL330-I | 4.3 | 20 | 55 | 20 | 35 |
| Hitachi | ZW250-6 | 4.8 | 20 | 60 | 20 | 35 |
| Hitachi | ZW250-6 HL | 4.8 | 20 | 60 | 20 | 35 |
| Hitachi | ZW310 | 5.25 | 20 | 60 | 20 | 35 |
| Hitachi | ZW310 HL | 4.75 | 20 | 60 | 20 | 35 |
| Hitachi | ZW310-5 | 5.9 | 26 | 70 | 20 | 40 |
| Hitachi | ZW310-5 HL | 5.25 | 20 | 70 | 20 | 40 |
| Hitachi | ZW310-6 | 5.5 | 20 | 65 | 20 | 40 |
| Hitachi | ZW310-6 HL | 5.5 | 26 | 70 | 20 | 40 |
| Hitachi | ZW330-5 | 6.5 | 26 | 75 | 20 | 45 |
| Hitachi | ZW330-5 HL | 6 | 26 | 75 | 20 | 45 |
| Hyundai | HL770 | 5 | 20 | 65 | 20 | 35 |
| Hyundai | HL770-7 | 5.2 | 20 | 65 | 20 | 35 |
| Hyundai | HL770XTD-7 | 5.2 | 20 | 65 | 20 | 40 |
| Hyundai | HL770-7A | 5.2 | 20 | 65 | 20 | 35 |
| Hyundai | HL770XTD-7A | 5.2 | 20 | 65 | 20 | 40 |

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## 26.5-25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Hyundai | HL770-9 | 5.5 | 20 | 65 | 20 | 40 |
| Hyundai | HL770XTD-9 | 5.5 | 20 | 70 | 20 | 40 |
| Hyundai | HL770-9A | 5.5 | 20 | 65 | 20 | 40 |
| Hyundai | HL770XTD-9A | 5.5 | 26 | 70 | 20 | 40 |
| Hyundai | HL780-7A | 6.7 | 32 | 80 | 20 | 50 |
| Hyundai | HL780XTD-7A | 6.7 | 32 | 85 | 20 | 50 |
| Hyundai | HL780-9 | 7.1 | 32 | 85 | 20 | 50 |
| Hyundai | HL780XTD-9 | 7.1 | 32 | 85 | 26 | 55 |
| Hyundai | HL780-9A | 7.1 | 32 | 85 | 20 | 50 |
| Hyundai | HL780XTD-9A | 7.1 | 32 | 90 | 26 | 55 |
| Hyundai | HL970 | 4.7 | 20 | 60 | 20 | 35 |
| Hyundai | HL970 XTD | 4.7 | 20 | 65 | 20 | 35 |
| Hyundai | HL980 | 6.3 | 32 | 80 | 20 | 50 |
| Hyundai | HL980 XTD | 6.3 | 32 | 80 | 20 | 50 |
| Kawasaki | 85Z | 4.2 | 20 | 55 | 20 | 35 |
| Kawasaki | 85ZII | 4.2 | 20 | 55 | 20 | 35 |
| Kawasaki | 85ZIII | 4.3 | 20 | 55 | 20 | 35 |
| Kawasaki | 85ZIV | 4.3 | 20 | 55 | 20 | 35 |
| Kawasaki | 85ZIV-2 | 4.75 | 20 | 60 | 20 | 35 |
| Kawasaki | 85ZV-2 | 4.8 | 20 | 60 | 20 | 35 |
| Kawasaki | 85Z7 | 4.8 | 20 | 60 | 20 | 35 |
| Kawasaki | 85Z7 HL | 4.8 | 20 | 60 | 20 | 35 |
| Kawasaki | 90ZIII | 5 | 20 | 60 | 20 | 35 |
| Kawasaki | 90ZIV | 5 | 20 | 60 | 20 | 35 |
| Kawasaki | 90ZIV-2 | 5.5 | 20 | 65 | 20 | 40 |
| Kawasaki | 90ZV | 5.2 | 20 | 65 | 20 | 35 |
| Kawasaki | 90ZV | 4.25 | 20 | 55 | 20 | 35 |
| Kawasaki | 90ZV-2 | 5.2 | 20 | 65 | 20 | 35 |
| Kawasaki | 90Z7 | 5.5 | 20 | 65 | 20 | 40 |
| Kawasaki | 90Z7 HL | 5.5 | 26 | 70 | 20 | 40 |
| Kawasaki | 90Z7B | 5.5 | 20 | 65 | 20 | 40 |
| Kawasaki | 90Z7B HL | 5.5 | 26 | 70 | 20 | 40 |
| Kawasaki | 92ZV-2 | 6 | 26 | 70 | 20 | 45 |
| Kawasaki | 92Z7 | 6.3 | 26 | 75 | 20 | 45 |
| Kawasaki | 92Z7 HL | 6.3 | 32 | 80 | 20 | 50 |
| Kawasaki | 95ZV-2 | 7 | 32 | 90 | 26 | 55 |
| Komatsu | WA420-1 | 4.75 | 20 | 55 | 20 | 35 |
| Komatsu | WA420-3 | 6 | 20 | 65 | 20 | 35 |
| Komatsu | WA430-6 | 4.6 | 20 | 55 | 20 | 35 |
| Komatsu | WA450-2 | 5.5 | 20 | 65 | 20 | 35 |
| Komatsu | WA450-3 | 6.8 | 26 | 70 | 20 | 45 |
| Komatsu | WA470-6 | 5.5 | 20 | 65 | 20 | 35 |
| Komatsu | WA470-7 | 5.5 | 20 | 65 | 20 | 35 |
| Komatsu | WA470-8 | 5 | 20 | 65 | 20 | 40 |
| Komatsu | WA470-8 HL | 5 | 20 | 65 | 20 | 40 |
| Komatsu | WA480-6 | 5.4 | 20 | 65 | 20 | 40 |
| Komatsu | WA480-8 | 6 | 26 | 70 | 20 | 45 |
| Komatsu Dresser | 542 | 4.75 | 20 | 60 | 20 | 35 |
| Komatsu Dresser | 545 | 5.5 | 26 | 70 | 20 | 40 |
| Komatsu Dresser | 550 | 5.25 | 20 | 65 | 20 | 35 |
| Liebherr | L566 | 5.2 | 20 | 65 | 20 | 35 |
| Liebherr | L566 HL | 4.6 | 20 | 60 | 20 | 35 |
| Liebherr | L566 XP | 5.5 | 20 | 70 | 20 | 40 |
| Liebherr | L576 | 6.15 | 26 | 70 | 20 | 45 |
| Liebherr | L576 HL | 5.5 | 26 | 70 | 20 | 40 |
| Liebherr | L580 | 6.5 | 26 | 70 | 20 | 45 |
| Liebherr | L580 HL | 5.9 | 26 | 70 | 20 | 40 |
| Liebherr | L580 XP | 6.8 | 32 | 80 | 20 | 50 |
| Terex | 80C | 5.5 | 26 | 70 | 20 | 40 |
| Volvo | L150C | 5.2 | 20 | 60 | 20 | 35 |
| Volvo | L150D | 5.2 | 20 | 65 | 20 | 40 |
| Volvo | L150F | 5.8 | 26 | 70 | 20 | 40 |
| Volvo | L150G | 6.8 | 26 | 75 | 20 | 45 |
| Volvo | L150H | 5.25 | 20 | 65 | 20 | 35 |
| Volvo | L180 | 5.5 | 20 | 65 | 20 | 40 |
| Volvo | L180C | 6 | 26 | 70 | 20 | 40 |
| Volvo | L180D | 6.3 | 26 | 75 | 20 | 45 |
| Volvo | L180F | 6.3 | 26 | 75 | 20 | 45 |
| Volvo | L180G | 7.6 | 32 | 85 | 20 | 50 |
| Volvo | L180H | 5.75 | 26 | 75 | 20 | 45 |
| Volvo | L190 | 5.2 | 20 | 70 | 20 | 40 |
| Volvo | L190B | 5.2 | 20 | 70 | 20 | 40 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 29.5-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 980C | 6.75 | 28 | 75 | 28 | 45 |
| Caterpillar | 980F | 7 | 28 | 75 | 28 | 45 |
| Caterpillar | 980F-II | 7 | 28 | 75 | 28 | 45 |
| Caterpillar | 980G | 7 | 28 | 75 | 28 | 45 |
| Caterpillar | 980H | 7.5 | 28 | 75 | 28 | 45 |
| Caterpillar | 980K | 7.5 | 28 | 75 | 28 | 45 |
| Caterpillar | 980M | 7.5 | 28 | 75 | 28 | 45 |
| Case | 1221E | 9.2 | 28 | 50 | 28 | 35 |
| Case | 1221E XR | 9.2 | 28 | 50 | 28 | 35 |
| Deere | 744J | 5.25 | 28 | 55 | 28 | 35 |
| Deere | 744J HL | 5.25 | 28 | 60 | 28 | 35 |
| Deere | 824J | 6 | 28 | 65 | 28 | 35 |
| Deere | 824J HL | 5.25 | 28 | 60 | 28 | 35 |
| Deere | 824K | 6 | 28 | 65 | 28 | 35 |
| Deere | 824K HL | 6 | 28 | 65 | 28 | 40 |
| Deere | 824K-II | 6 | 28 | 65 | 28 | 35 |
| Deere | 824K-II HL | 6 | 28 | 65 | 28 | 40 |
| Deere | 844J | 7.25 | 28 | 75 | 28 | 45 |
| Deere | 844K | 7.25 | 28 | 75 | 28 | 45 |
| Deere | 844K-II | 7.25 | 28 | 80 | 28 | 50 |
| Deere | 844K-III | 7.25 | 28 | 80 | 28 | 50 |
| Deere | 844L | 7.25 | 28 | 80 | 28 | 50 |
| Doosan | DL500 | 6.8 | 28 | 70 | 28 | 40 |
| Doosan | DL550-5 | 7.5 | 28 | 80 | 28 | 45 |
| Doosan | DL550-5 HL | 7.5 | 34 | 85 | 28 | 50 |
| Furukawa | FL460 | 6 | 28 | 70 | 28 | 40 |
| Hitachi | ZW370-5 | 8.1 | 34 | 85 | 28 | 55 |
| Hitachi | ZW370-5 HL | 7.3 | 34 | 85 | 28 | 50 |
| Hitachi | ZW370-6 | 7.3 | 28 | 80 | 28 | 50 |
| Hitachi | ZW370-6 HL | 7.3 | 34 | 85 | 28 | 50 |
| Hyundai | HL780-7A | 6.7 | 28 | 70 | 28 | 40 |
| Hyundai | HL780XTD-7A | 6.7 | 28 | 70 | 28 | 45 |
| Hyundai | HL780-9 | 7.1 | 28 | 70 | 28 | 45 |
| Hyundai | HL780XTD-9 | 7.1 | 28 | 75 | 28 | 45 |
| Hyundai | HL780-9A | 7.1 | 28 | 75 | 28 | 45 |
| Hyundai | HL780XTD-9A | 7.1 | 28 | 75 | 28 | 45 |
| Hyundai | HL980 | 6.3 | 28 | 70 | 28 | 40 |
| Hyundai | HL980 XTD | 6.3 | 28 | 70 | 28 | 45 |
| Kawasaki | 95Z | 6 | 28 | 65 | 28 | 40 |
| Kawasaki | 95ZII | 6 | 28 | 65 | 28 | 40 |
| Kawasaki | 95ZIII | 6.5 | 28 | 70 | 28 | 40 |
| Kawasaki | 95ZIV | 6.5 | 28 | 70 | 28 | 40 |
| Kawasaki | 95ZIV-2 | 7.25 | 28 | 75 | 28 | 45 |
| Kawasaki | 95ZIV-3 | 7.25 | 28 | 75 | 28 | 45 |
| Kawasaki | 95ZV-2 | 7 | 28 | 75 | 28 | 45 |
| Kawasaki | 95Z7 | 7.3 | 34 | 80 | 28 | 50 |
| Kawasaki | 95Z7 HL | 7.3 | 34 | 85 | 28 | 50 |
| Komatsu | WA500-1 | 6 | 28 | 65 | 28 | 40 |
| Komatsu | WA500-3 | 7.2 | 28 | 70 | 28 | 45 |
| Komatsu | WA500-6 | 7.3 | 28 | 80 | 28 | 50 |
| Komatsu | WA500-7 | 7.3 | 28 | 80 | 28 | 50 |
| Komatsu | WA500-7 HL | 5.9 | 28 | 70 | 28 | 40 |
| Komatsu | WA500-7 SM | 5.25 | 28 | 70 | 28 | 45 |
| Komatsu | WA500-8 | 7.6 | 34 | 80 | 28 | 50 |
| Komatsu | WA500-8 HL | 5.9 | 28 | 75 | 28 | 45 |
| Komatsu Dresser | 555 | 6 | 28 | 70 | 28 | 40 |
| Komatsu Dresser | 558 | 6 | 28 | 65 | 28 | 40 |
| Liebherr | L586 | 7.85 | 34 | 80 | 28 | 50 |
| Liebherr | L586 HL | 7.2 | 28 | 80 | 28 | 50 |
| Liebherr | 586XP | 7.8 | 34 | 85 | 28 | 50 |
| Volvo | L190 | 5.2 | 28 | 60 | 28 | 35 |
| Volvo | L190B | 5.2 | 28 | 60 | 28 | 35 |
| Volvo | L220D | 7 | 28 | 70 | 28 | 40 |
| Volvo | L220E | 7.1 | 28 | 75 | 28 | 45 |
| Volvo | L220F | 6.3 | 28 | 75 | 28 | 45 |
| Volvo | L220F | 7.8 | 28 | 80 | 28 | 50 |
| Volvo | L220G | 8.2 | 34 | 85 | 28 | 50 |
| Volvo | L220H | 6.8 | 28 | 75 | 28 | 45 |
| Volvo | L260H | 8.4 | 34 | 85 | 28 | 55 |
| Volvo | L260H HL | 7.2 | 28 | 80 | 28 | 50 |

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CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 725/70-25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 950K | 3.5 | 16 | 50 | 16 | 35 |
| Caterpillar | 950K HL | 3.5 | 16 | 50 | 16 | 35 |
| Caterpillar | 950M | 4 | 16 | 55 | 16 | 35 |
| Caterpillar | 950M HL | 4 | CT | CT | 16 | 35 |
| Caterpillar | 966C | 4 | 16 | 50 | 16 | 35 |
| Caterpillar | 966D | 4.25 | CT | CT | 16 | 35 |
| Caterpillar | 966G | 4.75 | CT | CT | 16 | 35 |
| Caterpillar | 966H | 5.5 | CT | CT | 16 | 40 |
| Caterpillar | 966H | 5.75 | CT | CT | CT | 40 |
| Caterpillar | 966K | 5.5 | CT | CT | CT | 40 |
| Caterpillar | 966L | 5.5 | CT | CT | 16 | 40 |
| Caterpillar | 966M | 5.5 | CT | CT | 16 | 40 |
| Caterpillar | 966M XE | 5.5 | CT | CT | 16 | 40 |
| Deere | 644K | 4.25 | 16 | 50 | 16 | 35 |
| Deere | 644K HL | 4.25 | 16 | 55 | 16 | 35 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 35/65-33 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

**PIT LOADER APPLICATION**

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 986H | 6.12 | 42 | 85 | 42 | 50 |
| Caterpillar | 986H HL | 5.35 | 42 | 80 | 42 | 50 |
| Caterpillar | 986K | 6.8 | 42 | 90 | 42 | 55 |
| Caterpillar | 986K HL | 5.8 | 42 | 85 | 42 | 55 |
| Caterpillar | 988B | 8.25 | 42 | 105 | 42 | 65 |
| Caterpillar | 988F | 7.75 | 42 | 100 | 42 | 65 |
| Caterpillar | 988G | 8 | CT | CT | 42 | 70 |
| Caterpillar | 988H | 8.2 | CT | CT | 42 | 75 |
| Caterpillar | 988H | 8.33 | CT | CT | 42 | 75 |
| Caterpillar | 988H | 9.2 | CT | CT | 42 | 80 |
| Caterpillar | 988H HL | 8.33 | CT | CT | 42 | 75 |
| Caterpillar | 988K | 8.4 | CT | CT | 42 | 75 |
| Caterpillar | 988K HL | 8.4 | CT | CT | 42 | 75 |
| Caterpillar | 988K Steel Mill | 5.5 | 42 | 80 | 42 | 50 |
| Caterpillar | 988K Steel Mill | 6.5 | 42 | 85 | 42 | 50 |

**YARD LOADER APPLICATION**

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 986H | 6.12 | 42 | 75 | 42 | 45 |
| Caterpillar | 986H HL | 5.35 | 42 | 70 | 42 | 45 |
| Caterpillar | 986K | 6.8 | 42 | 80 | 42 | 50 |
| Caterpillar | 986K HL | 5.8 | 42 | 75 | 42 | 45 |
| Caterpillar | 988B | 8.25 | 42 | 90 | 42 | 55 |
| Caterpillar | 988F | 7.75 | 42 | 90 | 42 | 55 |
| Caterpillar | 988G | 8 | 42 | 95 | 42 | 60 |
| Caterpillar | 988H | 8.2 | 42 | 100 | 42 | 65 |
| Caterpillar | 988H | 8.33 | 42 | 100 | 42 | 65 |
| Caterpillar | 988H | 9.2 | 42 | 105 | 42 | 65 |
| Caterpillar | 988H HL | 8.33 | 42 | 100 | 42 | 60 |
| Caterpillar | 988K | 8.4 | 42 | 100 | 42 | 65 |
| Caterpillar | 988K HL | 8.4 | 42 | 100 | 42 | 65 |
| Caterpillar | 988K Steel Mill | 5.5 | 42 | 105 | 42 | 65 |
| Caterpillar | 988K Steel Mill | 6.5 | 42 | 105 | 42 | 65 |

CONTINUES ON NEXT PAGE

## 35/65-33 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

**PIT LOADER APPLICATION**

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 988K XE | 9.2 | CT | CT | 42 | 80 |
| Deere | 944K | 10 | CT | CT | 42 | 80 |
| Deere | 944K HL | 10 | CT | CT | 42 | 85 |
| Hitachi | ZW550-5 | 8.9 | 42 | 110 | 42 | 70 |
| Hitachi | ZW550-5 HL | 7.3 | 42 | 100 | 42 | 65 |
| Hitachi | ZW550-6 | 8.2 | 42 | 105 | 42 | 65 |
| Hitachi | ZW550-6 HL | 9 | 42 | 115 | 42 | 75 |
| Kawasaki | 110Z | 7.5 | 42 | 95 | 42 | 60 |
| Kawasaki | 110ZII | 7.5 | 42 | 95 | 42 | 60 |
| Kawasaki | 115ZIII | 7.5 | 42 | 95 | 42 | 60 |
| Kawasaki | 115ZIV | 7.5 | 42 | 100 | 42 | 65 |
| Kawasaki | 115ZIV-2 | 8.25 | 42 | 105 | 42 | 70 |
| Kawasaki | 115ZV | 7.5 | 42 | 100 | 42 | 65 |
| Kawasaki | 115ZV-2 | 7.8 | 42 | 105 | 42 | 65 |
| Kawasaki | 115ZV-2 HL | 6.5 | 42 | 95 | 42 | 60 |
| Kawasaki | 115Z7 | 8.3 | 42 | 105 | 42 | 65 |
| Kawasaki | 115Z7 HL | 9 | CT | CT | 42 | 75 |
| Kawasaki | 115Z7 Xtreme | 9.15 | 42 | 110 | 42 | 70 |
| Komatsu | WA600-1 | 7.1 | 42 | 90 | 42 | 55 |
| Komatsu | WA600-3 | 8 | 42 | 95 | 42 | 60 |
| Komatsu | WA600-6 | 8.4 | CT | CT | 42 | 75 |
| Komatsu | WA600-6 | 9.2 | CT | CT | 42 | 80 |
| Komatsu | WA600-8 | 8.4 | 42 | 115 | 42 | 75 |
| Komatsu Dresser | 568 | 7.5 | 42 | 95 | 42 | 60 |
| O&K | 7500 | 7 | 42 | 90 | 42 | 55 |
| Sandvik | LH621-10 | 10.5 | CT | CT | 42 | 75 |
| Terex | 90C | 8.5 | 42 | 105 | 42 | 65 |
| Volvo | L320 | 8 | 42 | 100 | 42 | 65 |
| Volvo | L330C | 8.6 | 42 | 110 | 42 | 70 |
| Volvo | L330D | 8.6 | 42 | 110 | 42 | 70 |
| Volvo | L330E | 8.6 | CT | CT | 42 | 70 |
| Volvo | L350F | 10.1 | CT | CT | 42 | 80 |
| Volvo | L350H | 9.5 | 42 | 115 | 42 | 75 |
| Volvo | L350H HL | 9.5 | 42 | 120 | 42 | 75 |

**YARD LOADER APPLICATION**

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 988K XE | 9.2 | 42 | 105 | 42 | 70 |
| Deere | 944K | 10 | 42 | 105 | 42 | 65 |
| Deere | 944K HL | 10 | 42 | 110 | 42 | 70 |
| Hitachi | ZW550-5 | 8.9 | 42 | 90 | 42 | 60 |
| Hitachi | ZW550-5 HL | 7.3 | 42 | 85 | 42 | 55 |
| Hitachi | ZW550-6 | 8.2 | 42 | 90 | 42 | 55 |
| Hitachi | ZW550-6 HL | 9 | 42 | 95 | 42 | 60 |
| Kawasaki | 110Z | 7.5 | 42 | 80 | 42 | 50 |
| Kawasaki | 110ZII | 7.5 | 42 | 80 | 42 | 50 |
| Kawasaki | 115ZIII | 7.5 | 42 | 80 | 42 | 50 |
| Kawasaki | 115ZIV | 7.5 | 42 | 85 | 42 | 55 |
| Kawasaki | 115ZIV-2 | 8.25 | 42 | 90 | 42 | 60 |
| Kawasaki | 115ZV | 7.5 | 42 | 85 | 42 | 55 |
| Kawasaki | 115ZV-2 | 7.8 | 42 | 90 | 42 | 55 |
| Kawasaki | 115ZV-2 HL | 6.5 | 42 | 80 | 42 | 50 |
| Kawasaki | 115Z7 | 8.3 | 42 | 90 | 42 | 55 |
| Kawasaki | 115Z7 HL | 9 | 42 | 95 | 42 | 60 |
| Kawasaki | 115Z7 Xtreme | 9.15 | 42 | 90 | 42 | 60 |
| Komatsu | WA600-1 | 7.1 | 42 | 75 | 42 | 45 |
| Komatsu | WA600-3 | 8 | 42 | 80 | 42 | 50 |
| Komatsu | WA600-6 | 8.4 | 42 | 95 | 42 | 60 |
| Komatsu | WA600-6 | 9.2 | 42 | 85 | 42 | 55 |
| Komatsu | WA600-8 | 8.4 | 42 | 100 | 42 | 65 |
| Komatsu Dresser | 568 | 7.5 | 42 | 80 | 42 | 50 |
| O&K | 7500 | 7 | 42 | 80 | 42 | 50 |
| Sandvik | LH621-10 | 10.5 | CT | CT | 42 | 75 |
| Terex | 90C | 8.5 | 42 | 90 | 42 | 55 |
| Volvo | L320 | 8 | 42 | 90 | 42 | 55 |
| Volvo | L330C | 8.6 | 42 | 95 | 42 | 60 |
| Volvo | L330D | 8.6 | 42 | 95 | 42 | 60 |
| Volvo | L330E | 8.6 | 42 | 95 | 42 | 60 |
| Volvo | L350F | 10.1 | 42 | 105 | 42 | 65 |
| Volvo | L350H | 9.5 | 42 | 95 | 42 | 60 |
| Volvo | L350H HL | 9.5 | 42 | 100 | 42 | 65 |

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CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 40/65-39 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Komatsu | WA700-1 | 11.1 | CT | CT | 42 | 60 |
| Komatsu | WA700-3 | 11.4 | CT | CT | 42 | 65 |
| Komatsu | WA700-3 | 12.3 | CT | CT | CT | 65 |

## 45/65-45 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 992B | 10 | 58 | 80 | 58 | 45 |
| Caterpillar | 992C | 12.5 | 58 | 105 | 58 | 70 |
| Caterpillar | 992C HL | 12.5 | 58 | 115 | 58 | 75 |
| Caterpillar | 992D | 14 | 58 | 110 | 58 | 70 |
| Caterpillar | 992D HL | 14 | 58 | 120 | 58 | 75 |
| Caterpillar | 992G | 16 | 58 | CT | 58 | 85 |
| Caterpillar | 992G HL | 16 | CT | CT | 58 | 90 |
| Caterpillar | 992K | 14 | 58 | 115 | 58 | 75 |
| Caterpillar | 992K HL | 14 | 58 | 110 | 58 | 70 |
| Komatsu | WA800-2 | 13.7 | 58 | 105 | 58 | 70 |
| Komatsu | WA800-3 | 14.4 | 58 | 115 | 58 | 75 |
| Komatsu | WA900-3 | 17 | 58 | CT | 58 | 80 |
| Komatsu | WA900-3 HL | 15 | CT | CT | 58 | 85 |
| Komatsu | WA900-8 | 17 | CT | CT | 58 | 90 |
| Komatsu | WA900-8 HL | 15 | CT | CT | 58 | 85 |
| LeTourneau | L-950-2 | 18 | CT | CT | 58 | 90 |
| LeTourneau | L-950-2 HL | 16 | CT | CT | 58 | 85 |
| LeTourneau | L1000 | 17 | 58 | CT | 58 | 80 |

## 41.25/70-39 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 990 | 11 | 42 | 90 | 42 | 55 |
| Caterpillar | 990H | 11.25 | CT | CT | 42 | 65 |
| Caterpillar | 990K | 11.25 | CT | CT | 42 | 65 |
| Caterpillar | 990K HL | 11.25 | CT | CT | 42 | 70 |
| Kawasaki | 135ZV-2 | 12.8 | CT | CT | 42 | 65 |
| Kawasaki | 135ZV-2 HL | 11.5 | 42 | 95 | 42 | 60 |
| Komatsu | WA700-1 | 11.1 | 42 | 85 | 42 | 50 |
| Komatsu | WA700-3 | 11.4 | 42 | 85 | 42 | 55 |
| Komatsu | WA700-3 | 12.3 | 42 | 75 | 42 | 45 |
| Volvo | L480B | 12.5 | CT | CT | 42 | 65 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

# BIAS RIGID DUMP TRUCK

## 18.00-25 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Euclid | R32 w/ liners | 34 | 40 | 85 | 40 | 95 |
| Euclid | R32 w/o liners | 36 | 40 | 85 | 40 | 95 |
| International | 350B (Detroit) | 50 | 40 | 95 | CT | CT |
| International | 350B (Cummins) | 50 | CT | CT | CT | CT |
| Terex | 33-05B | 30 | 32 | 80 | 32 | 80 |

## 18.00-33 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Astra | RD 40C | 44.1 | CT | CT | CT | CT |
| Caterpillar | 769B | 35 | 32 | 85 | 32 | 80 |
| Caterpillar | 769C | 40 | CT | CT | CT | CT |
| Caterpillar | 769D | 35 | CT | CT | CT | CT |
| Caterpillar | 770 | 40 | CT | CT | CT | CT |
| Caterpillar | 770F | 49 | CT | CT | CT | CT |
| Caterpillar | 770G | 50 | CT | CT | CT | CT |
| Caterpillar | 771C Quarry | 44 | CT | CT | CT | CT |
| Caterpillar | 771D | 45 | CT | CT | CT | CT |
| Hitachi | EH650 | 40 | 32 | 80 | CT | CT |
| Hitachi | EH700 | 42 | CT | CT | CT | CT |
| Hitachi | EH750 | 42.5 | CT | CT | CT | CT |
| Hitachi | EH750-3 | 46.2 | CT | CT | CT | CT |
| Euclid | R35 | 35 | CT | CT | CT | CT |
| Euclid | R36 | 40 | 32 | 80 | CT | CT |
| Euclid | R40 | 41.5 | CT | CT | CT | CT |
| Euclid | R40C | 41.9 | CT | CT | CT | CT |
| Komatsu | HD325-3 | 35 | 32 | 75 | 32 | 80 |
| Komatsu | HD325-5 | 35 | 32 | 75 | 32 | 85 |
| Komatsu | HD325-6 Quarry | 44 | CT | CT | CT | CT |
| Komatsu | HD325-6 4WD | 35 | CT | CT | CT | CT |
| Komatsu | HD325-6 | 44 | CT | CT | CT | CT |
| Komatsu | HD325-7 | 40 | CT | CT | CT | CT |
| Komatsu | HD325-8 | 40.3 | CT | CT | CT | CT |
| Komatsu | HD405-7 | 45.2 | CT | CT | CT | CT |
| Komatsu Haulpak | 140M | 40 | CT | CT | CT | CT |
| Perlini | DP 405 WD | 44.1 | CT | CT | CT | CT |
| Terex | 3340 | 40 | CT | CT | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 21.00-35 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 773 | 50 | 42 | 95 | 42 | 90 |
| Caterpillar | 773B | 58 | CT | CT | CT | CT |
| Dart | 2085 | 85 | 36 | 70 | 42 | 90 |
| Euclid | R50 | 58.1 | CT | CT | CT | CT |
| Komatsu | HD460-1 | 51 | 42 | 85 | 42 | 95 |
| Terex | 3345 | 45 | 42 | 85 | 36 | 80 |
| Terex | 3307 | 49 | 42 | 85 | 42 | 85 |
| Terex | 3308E | 55 | CT | CT | CT | CT |
| Terex | TR45 | 45 | 42 | 85 | 42 | 85 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 24.00-35 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 773 | 50 | 42 | 65 | 42 | 65 |
| Caterpillar | 773B | 58 | 42 | 75 | 42 | 75 |
| Caterpillar | 773D | 50 | 42 | 75 | 42 | 75 |
| Caterpillar | 773E | 60 | 42 | 80 | 42 | 85 |
| Caterpillar | 773F | 61 | 48 | 90 | 42 | 80 |
| Caterpillar | 773G | 54 | 42 | 75 | 42 | 75 |
| Caterpillar | 773G-4T | 69.3 | 48 | 90 | 42 | 85 |
| Caterpillar | 775B Quarry | 65 | 42 | 85 | 42 | 85 |
| Caterpillar | 775D | 65 | 42 | 85 | 48 | 95 |
| Caterpillar | 775E | 70 | 42 | 85 | CT | CT |
| Caterpillar | 775F | 70 | 48 | 95 | 48 | 95 |
| Caterpillar | 775G | 70 | CT | CT | CT | CT |
| Caterpillar | 775G-4T | 78.8 | CT | CT | 48 | 95 |
| Dart | 2085 | 85 | 42 | 50 | 42 | 65 |
| Euclid | R50 | 58.1 | 42 | 75 | 42 | 75 |
| Euclid | R60 | 63.1 | 42 | 75 | 42 | 80 |
| Euclid | R60C | 66 | 48 | 95 | 42 | 80 |
| Euclid | R65 | 69.2 | 42 | 85 | 48 | 85 |
| Euclid | R65C | 71.1 | 48 | 90 | 48 | 95 |
| Euclid | R75 | 75 | CT | CT | 48 | 95 |
| Hitachi | EH 1000 | 66 | 42 | 85 | 48 | 85 |
| Hitachi | EH 1100 | 72.3 | 48 | 90 | 48 | 95 |
| Hitachi | EH 1100-3 | 71.5 | 48 | 90 | CT | CT |
| Hitachi | EH1100-5 | 70 | CT | CT | 48 | 90 |
| Komatsu | HD465-3 | 51 | 42 | 65 | 42 | 70 |
| Komatsu | HD465-5 | 61 | 42 | 65 | 42 | 70 |

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## 24.00-35 RIGID DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Komatsu | HD465-5 Quarry | 66 | 48 | 85 | 48 | 95 |
| Komatsu | HD465-7 | 61 | 42 | 80 | 42 | 85 |
| Komatsu | HD465-8 | 61 | 48 | 100 | 48 | 100 |
| Komatsu | HD605-7 | 70 | 48 | 90 | CT | CT |
| Komatsu | HD605-8 | 69.4 | 48 | 100 | 48 | 100 |
| Komatsu-Haulpak | 210M | 60 | 42 | 80 | 42 | 80 |
| Perlini | DP705 WD | 71.6 | 48 | 90 | 48 | 95 |
| Terex | 3308E | 55 | 42 | 75 | 42 | 75 |
| Terex | 3309 | 55 | 42 | 80 | 42 | 80 |
| Terex | 3310E | 66 | 48 | 90 | 48 | 90 |
| Terex | TR60 | 60 | 42 | 80 | 42 | 80 |
| Terex | TR70 | 72 | CT | CT | CT | CT |

## 24.00-49 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Euclid | R85 | 85 | 48 | 90 | CT | CT |
| Euclid | R85B | 90 | CT | CT | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 27.00-49 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 777 | 85 | 48 | 75 | 48 | 75 |
| Caterpillar | 777B | 95 | 48 | 80 | 48 | 85 |
| Caterpillar | 777C | 95 | 48 | 85 | 48 | 85 |
| Caterpillar | 777D | 100 | CT | CT | CT | CT |
| Caterpillar | 777E | 108 | 48 | 85 | CT | CT |
| Caterpillar | 777F | 100 | CT | CT | CT | CT |
| Caterpillar | 777G | 100 | CT | CT | CT | CT |
| Dart | 3100B | 100 | CT | CT | CT | CT |
| Euclid | R85B | 85 | 48 | 85 | 48 | 85 |
| Euclid | R90 | 95.7 | 48 | 85 | CT | CT |
| Euclid | R90C | 100 | CT | CT | CT | CT |
| Euclid | R100 | 100 | CT | CT | CT | CT |
| Hitachi | EH1600 | 98.9 | CT | CT | CT | CT |
| Hitachi | EH1700 | 108.4 | CT | CT | CT | CT |

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## 27.00-49 RIGID DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Hitachi | EH1700-3 | 100 | CT | CT | CT | CT |
| Komatsu | HD785-1 | 86 | 48 | 70 | 48 | 75 |
| Komatsu | HD785-3 | 86 | 48 | 75 | 48 | 80 |
| Komatsu | HD785-3 | 100 | 48 | 80 | CT | CT |
| Komatsu | HD785-5 | 106 | CT | CT | CT | CT |
| Komatsu | HD785-7 | 100 | CT | CT | CT | CT |
| Komatsu | HD785-8 | 100 | CT | CT | CT | CT |
| Komatsu Haulpak | 325M | 95 | 48 | 85 | 48 | 85 |
| Komatsu Haulpak | 330M | 100 | CT | CT | CT | CT |
| Kress | CH160 | 160 | CT | CT | CT | CT |
| Kress | CH180 | 180 | CT | CT | CT | CT |
| Liebherr | T236 | 110 | CT | CT | CT | CT |
| Perlini | DP905 | 104.7 | CT | CT | CT | CT |
| Rimpull | RD100 | 100 | 48 | 85 | CT | CT |
| Rimpull | RD100C | 100 | 48 | 85 | CT | CT |
| Terex | 3311C | 85 | 48 | 75 | 48 | 70 |
| Terex | 3311D | 77 | 48 | 85 | 48 | 75 |
| Terex | 3311E | 94 | CT | CT | 48 | 80 |
| Terex | TR100 | 100 | CT | CT | CT | CT |
| Terex | TR100 (HR) | 93.55 | CT | CT | CT | CT |
| Terex | TR100D | 100 | CT | CT | CT | CT |
| Unit Rig | Dart 3100 | 100 | CT | CT | CT | CT |
| Unit Rig | Dart 4160 | 160 | 48 | 60 | CT | CT |
| Unit Rig | M85 | 85 | 48 | 70 | 48 | 70 |
| Unit Rig | M100 | 100 | CT | CT | CT | CT |
| Unit Rig | M120-15 | 120 | CT | CT | CT | CT |
| Unit Rig | Mark 24 | 85 | 48 | 85 | 48 | 70 |

## 30.00-51 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Dart | 3120B | 120 | CT | CT | CT | CT |
| Euclid | R100 | 100 | 52 | 70 | 52 | 70 |
| Euclid | R120E | 120 | CT | CT | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 33.00-51 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Belaz | 75131 | 143.3004704 | CT | CT | CT | CT |
| Belaz | 75137NA | 143.3004704 | CT | CT | CT | CT |
| Caterpillar | 785 | 155 | CT | CT | CT | CT |
| Caterpillar | 785B | 155 | CT | CT | CT | CT |
| Caterpillar | 785C | 150 | CT | CT | CT | CT |
| Caterpillar | 785D | 146 | CT | CT | CT | CT |
| Caterpillar | 785G | 146 | CT | CT | CT | CT |
| Euclid | R120E | 120 | 58 | 70 | 58 | 75 |
| Euclid | R130 | 152 | CT | CT | CT | CT |
| Euclid | R130B | 146 | CT | CT | CT | CT |
| Euclid | R130M | 130 | 58 | 70 | 58 | 80 |
| Euclid | R150 | 150 | CT | CT | CT | CT |
| Komatsu Haulpak | 510E | 150 | CT | CT | CT | CT |
| Komatsu Haulpak | 530M | 165 | CT | CT | CT | CT |
| Komatsu | HD1500-7 | 160 | CT | CT | CT | CT |
| Terex | MT3300 | 150 | CT | CT | CT | CT |
| Terex | MT3300AC | 150 | CT | CT | CT | CT |
| Terex | MT3314B | 125 | 58 | 80 | 58 | 75 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# BIAS TOWED SCRAPER

## 20.5-25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Tires Per Axel | Tire Min. Ply Rating | Tire Min. Inflation (psi) |
|---|---|---|---|---|---|
| Ashland | 110TS2 | 11.3 | 2 | CT | CT |
| Ashland | 110XL2 | 11 | 2 | CT | CT |
| Ashland | 130TS2 | 13 | 2 | CT | CT |
| Ashland | 220TS4 | 22 | 4 | CT | CT |
| Ashland | 1410E | 14 | 2 | CT | CT |
| Ashland | 2012CS | 20 | 4 | CT | CT |
| Ashland | 2014CS | 20 | 6 | 16 | 40 |
| Deere | 1510DC | 15 | 4 | 16 | 40 |
| Deere | 1612DE | 16 | 4 | 24 | 50 |
| Deere | 1810DC | 18 | 4 | 24 | 50 |
| Deere | 1812DC | 18 | 4 | 20 | 50 |
| Deere | 1814DC | 18 | 6 | 16 | 30 |
| Deere | 2010DE | 20 | 4 | CT | CT |
| Deere | 2014DE | 20 | 6 | 16 | 40 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 23.5-25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Tires Per Axel | Tire Min. Ply Rating | Tire Min. Inflation (psi) |
|---|---|---|---|---|---|
| Ashland | 140TS2 | 14 | 2 | CT | CT |
| Ashland | 140TS2 LGP | 14 | 2 | CT | CT |
| Caterpillar | TS185 | 19 | 4 | 20 | 35 |
| Deere | 2112DC | 21.5 | 6 | 12 | 30 |
| Deere | 2412DE | 24 | 4 | CT | CT |
| K-Tec | 1228 | 28 | 4 | CT | CT |
| K-Tec | 1228 ADT | 28 | 4 | CT | CT |
| K-Tec | 1233 | 33 | 4 | CT | CT |
| K-Tec | 1236 | 36 | 4 | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 26.5-25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Tires Per Axel | Tire Min. Ply Rating | Tire Min. Inflation (psi) |
|---|---|---|---|---|---|
| Caterpillar | TS185 | 19 | 4 | 20 | 30 |
| Caterpillar | TS225 | 23.5 | 4 | 20 | 35 |
| Deere | 2112DC (1) | 21.5 | 4 | 32 | 55 |
| Deere | 2112DC (2) | 21.5 | 4 | 20 | 35 |
| Deere | 2412DE (1) | 24 | 4 | 44 | 60 |
| Deere | 2412DE (2) | 24 | 4 | 26 | 45 |
| K-Tec | 1233 | 33 | 4 | 32 | 50 |
| K-Tec | 1237 ADT | 40.5 | 4 | CT | CT |
| K-Tec | 1243 ADT | 43 | 4 | 26 | 45 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
(1) - Front scraper used in train
(2) - Rear scraper used in train, or single scraper

## 29.5-25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Tires Per Axel | Tire Min. Ply Rating | Tire Min. Inflation (psi) |
|---|---|---|---|---|---|
| Ashland | 155TS2 | 15.5 | 2 | 28 | 45 |
| Ashland | 215TS2 | 21.5 | 2 | 34 | 60 |
| Caterpillar | TS180 | 19 | 2 | 34 | 50 |
| Deere | 2010DE | 20 | 2 | 34 | 55 |
| K-Tec | 1243 ADT | 43 | 4 | 28 | 35 |
| K-Tec | 1263 ADT | 63 | 4 | 34 | 50 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# BIAS TRACTOR SCRAPER

## 18.00-25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 613C II | 11 | 32 | 60 | 32 | 65 |

## 23.5-25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 613B | 11 | 20 | 35 | 20 | 40 |
| Caterpillar | 613C | 11 | 20 | 40 | 20 | 40 |
| Caterpillar | 613C II | 11 | 20 | 40 | 20 | 40 |
| Caterpillar | 613G | 11 | CT | CT | 20 | 40 |
| Deere | 762 | 11 | 20 | 40 | 20 | 40 |
| Deere | 762A | 11 | 20 | 45 | 20 | 40 |
| Deere | 762B | 11 | 20 | 45 | 20 | 40 |
| Deere | 762B II | 11 | 20 | 45 | 20 | 40 |
| Komatsu Dresser | 412 | 11 | 20 | 40 | 20 | 40 |
| Komatsu Dresser | 412B | 11 | 20 | 40 | 20 | 40 |

## 26.5-25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 611 | 15 | 32 | 55 | 32 | 50 |
| Caterpillar | 611C II | 15 | 44 | 70 | 32 | 50 |
| Caterpillar | 615 | 16 | 32 | 60 | 32 | 50 |
| Caterpillar | 615C | 16 | 32 | 60 | 32 | 50 |
| Caterpillar | 615C II | 17 | 44 | 60 | 32 | 55 |
| Deere | 860 | 15 | 26 | 45 | 26 | 45 |
| Deere | 860A Std | 15 | 32 | 50 | 26 | 45 |
| Deere | 860A HD | 15 | 32 | 50 | 26 | 50 |
| Deere | 862 | 16 | 32 | 55 | 32 | 55 |
| Deere | 862B | 16 | 32 | 55 | 32 | 55 |
| Fiat Allis | 161 | 15 | 26 | 45 | 26 | 45 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 29.5-25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 611 | 15 | 28 | 45 | 28 | 40 |
| Caterpillar | 611C II | 15 | 28 | 45 | 28 | 40 |
| Caterpillar | 615 | 16 | 28 | 45 | 28 | 40 |
| Caterpillar | 615C | 16 | 28 | 45 | 28 | 40 |
| Caterpillar | 615C II | 17 | 28 | 50 | 28 | 45 |
| Deere | 862 w/ Kress bowl | 18 | 28 | 45 | 28 | 45 |
| Deere | 862 w/ Kress bowl | 20 | 28 | 50 | 34 | 50 |
| Deere | 862B | 16 | 28 | 45 | 28 | 45 |
| Fiat Allis | 161 | 15 | 28 | 40 | 28 | 40 |
| Terex | TS14B | 20 | 34 | 55 | 34 | 50 |
| Terex | TS14C | 20 | 34 | 55 | 34 | 50 |
| Terex | TS14G | 20 | 34 | 60 | 34 | 55 |

## 29.5-29 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 621B | 20 | 38 | 60 | 28 | 50 |
| Caterpillar | 621E | 20 | 34 | 60 | 34 | 50 |
| Caterpillar | 621G | 22 | CT | CT | 34 | 60 |
| Caterpillar | 623B | 22 | CT | CT | 34 | 55 |
| Caterpillar | 623E | 23 | CT | CT | 38 | 60 |
| Caterpillar | 623F | 23 | CT | CT | CT | CT |
| Caterpillar | 627B | 20 | 34 | 60 | 38 | 60 |
| Caterpillar | 627E | 20 | 34 | 60 | 38 | 65 |
| Caterpillar | 627G | 22 | 38 | 65 | CT | CT |
| Fiatallis | 261B | 23 | 38 | 60 | 34 | 60 |
| Fiatallis | 262B | 21 | 38 | 60 | 34 | 60 |
| Fiatallis | 263B | 23 | 38 | 65 | CT | CT |
| Komatsu Dresser | 431B | 21 | 34 | 55 | 28 | 50 |
| Komatsu Dresser | 433B | 21 | 34 | 55 | 34 | 60 |
| Komatsu Dresser | 442B | 22 | 38 | 60 | 34 | 55 |
| Komatsu Dresser | 444B | 22 | 38 | 65 | CT | CT |
| Terex | S23E | 23 | 38 | 60 | 34 | 55 |

## 29.5-35 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 621B | 20 | 34 | 55 | 34 | 45 |
| Caterpillar | 621E | 20 | 34 | 55 | 34 | 45 |
| Caterpillar | 623B | 23 | CT | CT | 34 | 50 |
| Caterpillar | 623E | 23 | CT | CT | 34 | 55 |
| Caterpillar | 627B | 20 | 34 | 55 | 34 | 55 |
| Caterpillar | 627E | 20 | 34 | 55 | 34 | 60 |
| Terex | S23E | 23 | 34 | 55 | 34 | 50 |

## 33.25-29 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 621B | 20 | 32 | 45 | 32 | 35 |
| Caterpillar | 621E | 20 | 34 | 45 | 34 | 40 |
| Caterpillar | 621F | 20 | 34 | 45 | 34 | 40 |
| Caterpillar | 621G | 20 | 38 | 50 | 34 | 45 |
| Caterpillar | 621G | 22 | 38 | 50 | 34 | 45 |
| Caterpillar | 621H | 24 | 38 | 55 | 34 | 50 |
| Caterpillar | 621K | 24 | 38 | 55 | 34 | 50 |
| Caterpillar | 621K P/P | 24 | 38 | 55 | 34 | 50 |
| Caterpillar | 623F | 23 | 38 | 55 | 38 | 55 |
| Caterpillar | 623G | 23 | 38 | 55 | 38 | 55 |
| Caterpillar | 623H | 23 | 38 | 60 | 38 | 50 |
| Caterpillar | 623K | 23 | CT | CT | 38 | 50 |
| Caterpillar | 627B | 20 | 34 | 45 | 34 | 45 |
| Caterpillar | 627E | 20 | 34 | 45 | 34 | 50 |
| Caterpillar | 627F | 20 | 34 | 50 | 38 | 50 |
| Caterpillar | 627G | 22 | 38 | 55 | 38 | 50 |
| Caterpillar | 627H | 24 | CT | CT | CT | CT |
| Caterpillar | 627K | 24 | CT | CT | 38 | 55 |
| Caterpillar | 627K P/P | 24 | CT | CT | 38 | 55 |

## 33.25-35 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 631D | 31 | 56 | 70 | 38 | 60 |
| Caterpillar | 631E | 31 | 56 | 75 | 44 | 60 |
| Caterpillar | 633D | 34 | 56 | 75 | 56 | 75 |
| Caterpillar | 637D | 31 | 56 | 70 | 56 | 70 |
| Caterpillar | 637E | 31 | 56 | 75 | 56 | 75 |

## 33.5-33 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Terex | TS24 | 33 | 44 | 55 | 44 | 65 |
| Terex | TS36 | 40 | CT | CT | CT | CT |
| Terex | TS40 | 50 | CT | CT | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 37.5-33 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Terex | TS24B | 34 | 54 | 60 | 54 | 60 |
| Terex | S24B | 34 | 54 | 60 | 54 | 55 |
| Terex | TS38B | 41 | 54 | 70 | 54 | 65 |

## 37.25-35 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 631D | 31 | CT | CT | 36 | 45 |
| Caterpillar | 631E | 31 | CT | CT | 36 | 45 |
| Caterpillar | 631E II | 31 | CT | CT | 36 | 45 |
| Caterpillar | 631G | 34 | CT | CT | CT | CT |
| Caterpillar | 631K | 34 | CT | CT | CT | CT |
| Caterpillar | 631K P/P | 34 | CT | CT | CT | CT |
| Caterpillar | 633D | 34 | CT | CT | CT | CT |
| Caterpillar | 633E | 34 | CT | CT | CT | CT |
| Caterpillar | 633E II | 34 | CT | CT | CT | CT |
| Caterpillar | 637D | 31 | CT | CT | CT | CT |
| Caterpillar | 637E | 31 | CT | CT | CT | CT |
| Caterpillar | 637E II | 31 | CT | CT | CT | CT |
| Caterpillar | 637G | 34 | CT | CT | CT | CT |
| Caterpillar | 637G P/P | 34 | CT | CT | CT | CT |
| Caterpillar | 637K | 34 | CT | CT | CT | CT |
| Caterpillar | 637K P/P | 34 | CT | CT | CT | CT |
| Caterpillar | 657G | 44 | CT | CT | CT | CT |
| Caterpillar | 657G P/P | 44 | CT | CT | CT | CT |

## 37.5-39 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 651B | 44 | 52 | 75 | 52 | 70 |
| Caterpillar | 651E | 44 | 60 | 80 | 52 | 70 |
| Caterpillar | 657B | 44 | 60 | 80 | CT | CT |
| Caterpillar | 657E | 44 | CT | CT | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# RADIAL ARTICULATED DUMP TRUCK

## 17.5R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Bell | B17B | 17 | 2* | CT | 2* | CT | 2* | CT |

## 20.5R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Bell | B18E | 20 | 1* | 50 | 2* | 60 | 2* | 60 |
| Bell | B20B | 20 | 1* | 45 | 2* | 55 | 2* | 55 |
| Bell | B20D 6x4 | 18 | 1* | 40 | 2* | 65 | 2* | 60 |
| Bell | B20D 6x6 | 18 | 1* | 40 | 2* | 65 | 2* | 65 |
| Bell | B20E | 20 | 1* | 55 | 2* | 60 | 2* | 60 |
| Caterpillar | D250B | 25 | 2* | 70 | 2* | 75 | 2* | 75 |
| Caterpillar | D250D | 25 | 2* | 60 | 2* | 75 | 2* | 75 |
| Komatsu | HA250-1 | 25 | 2* | 75 | 2* | 75 | 2* | 75 |
| Moxy | MT30 LHS | 30 | CT | CT | CT | CT | CT | CT |
| Terex | 2364 | 23 | 2* | 70 | 2* | 65 | 2* | 60 |
| Terex | 2366 | 23 | 2* | 70 | 2* | 65 | 2* | 65 |
| Terex | 2566B | 25 | CT | CT | 2* | 70 | 2* | 70 |
| Terex | 2566C | 25 | CT | CT | 2* | 75 | 2* | 70 |
| Volvo | A20 6X4 | 20 | CT | - | 2* | 60 | 2* | 60 |
| Volvo | A20 6x6 | 20 | CT | - | 2* | 60 | 2* | 60 |
| Volvo | A20C 6X6 | 20 | 1* | 50 | 2* | 60 | 2* | 60 |
| Volvo | A25 6X4 | 25 | 1* | 55 | 2* | 75 | 2* | 75 |
| Volvo | A25 | 25 | 2* | 55 | 2* | 75 | 2* | 75 |
| Volvo | A25B | 25 | 1* | 55 | 2* | 75 | 2* | 75 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 23.5R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Bell | B25B | 25 | 1* | 50 | 1* | 50 | 1* | 50 |
| Bell | B25D | 26 | 1* | 50 | 2* | 55 | 2* | 55 |
| Bell | B25E | 27 | 1* | 45 | 2* | 65 | 2* | 65 |
| Bell | B30B | 30 | 2* | 60 | 2* | 70 | 2* | 70 |
| Bell | B30D | 30 | 1* | 50 | 2* | 65 | 2* | 65 |
| Bell | B30E | 31 | 1* | 50 | 2* | 75 | 2* | 75 |
| Caterpillar | D20D | 20 | 2* | 60 | 1* | 40 | 2* | 75 |
| Caterpillar | D250B | 25 | 1* | 50 | 1* | 55 | 1* | 55 |
| Caterpillar | D250D | 25 | 1* | 45 | 1* | 55 | 1* | 55 |
| Caterpillar | D250E | 25 | 1* | 55 | 2* | 65 | 2* | 65 |
| Caterpillar | D300B | 30 | 2* | 60 | 2* | 65 | 2* | 65 |
| Caterpillar | D300D | 30 | 2* | 55 | 2* | 70 | 2* | 70 |
| Caterpillar | D300E | 30 | 2* | 60 | 2* | 70 | 2* | 70 |
| Caterpillar | D350C | 35 | 2* | 75 | CT | CT | 2* | 75 |
| Caterpillar | 725 | 25 | 1* | 55 | 2* | 60 | 2* | 60 |
| Caterpillar | 725 | 26 | 2* | 60 | 2* | 70 | 2* | 65 |
| Caterpillar | 725C | 26 | 2* | 70 | 2* | 60 | 2* | 60 |
| Caterpillar | 725C2 | 27 | 2* | 70 | 2* | 60 | 2* | 60 |
| Caterpillar | 730 | 30 | 2* | 60 | 2* | 75 | 2* | 75 |
| Caterpillar | 730 | 31 | 2* | 65 | CT | CT | CT | CT |
| Caterpillar | 730 EJ | 31 | 2* | 60 | CT | CT | CT | CT |
| Caterpillar | 730C | 31 | 2* | 80 | 2* | 70 | 2* | 70 |
| Caterpillar | 730C EJ | 31 | 2* | 70 | CT | CT | CT | CT |
| Caterpillar | 730C2 | 31 | 2* | 75 | 2* | 70 | 2* | 70 |
| Caterpillar | 730C2 EJ | 31 | 2* | 65 | CT | CT | CT | CT |
| Deere | 250C | 25 | 1* | 50 | 1* | 45 | 1* | 50 |
| Deere | 250D | 25 | 1* | 50 | 1* | 55 | 1* | 55 |
| Deere | 250D - II | 25 | 1* | 50 | 1* | 55 | 1* | 55 |
| Deere | 260E | 26 | 2* | 65 | 2* | 70 | 2* | 70 |
| Deere | 300C | 30 | 2* | 60 | 2* | 65 | 2* | 65 |
| Deere | 300D | 30 | 1* | 50 | 2* | 65 | 2* | 65 |
| Deere | 300D - II | 30 | 1* | 55 | 2* | 70 | 2* | 65 |
| Deere | 310E | 31 | 2* | 60 | 2* | 80 | 2* | 80 |
| Doosan | DA30 | 31 | 2* | 70 | 2* | 70 | 2* | 70 |
| Doosan | DA30-5 | 31 | 2* | 70 | 2* | 75 | 2* | 75 |
| Komatsu | HA270-1 | 27 | 2* | 60 | 2* | 60 | 2* | 60 |
| Komatsu | HM300-1 | 30 | 2* | 65 | 2* | 80 | 2* | 75 |
| Komatsu | HM300-2 | 30 | 2* | 65 | 2* | 80 | 2* | 75 |
| Komatsu | HM300-3 | 31 | 2* | 60 | CT | CT | 2* | 80 |
| Komatsu | HM300-5 | 31 | 2* | 70 | CT | CT | 2* | 75 |
| Moxy | MT26 | 26 | 2* | 60 | 2* | 60 | 2* | 60 |
| Moxy | MT30 X | 30 | 2* | 75 | 1* | 55 | 1* | 55 |
| Moxy | MT30 LHS | 30 | 2* | 60 | 2* | 60 | 2* | 60 |
| Moxy | MT31 | 31 | 2* | 70 | 2* | 70 | 2* | 70 |
| Randon | RK-628 | 28 | 1* | 50 | 2* | 60 | 2* | 60 |
| Terex | 2566B | 25 | 2* | 60 | 1* | 55 | 1* | 50 |

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## 23.5R25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Terex | 2566C | 25 | 2* | 60 | 1* | 55 | 1* | 50 |
| Terex | 2766B | 27.5 | 2* | 65 | 2* | 60 | 1* | 55 |
| Terex | 2766C | 27.5 | 2* | 65 | 2* | 60 | 2* | 55 |
| Terex | 3066 | 30 | 2* | 65 | 2* | 60 | 2* | 60 |
| Terex | 3066C | 30 | 2* | 60 | 2* | 70 | 2* | 70 |
| Terex | TA250 | 27.5 | 2* | 65 | 2* | 65 | 2* | 65 |
| Terex | TA250-9 | 27.5 | 2* | 70 | 2* | 65 | 2* | 65 |
| Terex | TA300 | 31 | 2* | 70 | 2* | 70 | 2* | 70 |
| Terex | TA300-T4 | 31 | 2* | 75 | 2* | 70 | 2* | 70 |
| Terex | TA300-9 | 31 | 2* | 60 | 2* | 80 | 2* | 80 |
| Volvo | A20 6X4 | 20 | 1* | 40 | CT | - | CT | - |
| Volvo | A25 | 25 | 1* | 40 | 1* | 55 | 1* | 55 |
| Volvo | A25 4X4 | 25 | 1* | 45 | 1* | 40 | 1* | 40 |
| Volvo | A25 6X4 | 25 | 1* | 40 | 1* | 55 | 1* | 55 |
| Volvo | A25B | 25 | 1* | 40 | 1* | 55 | 1* | 55 |
| Volvo | A25B 4X4 | 25 | 1* | 45 | 1* | 40 | 1* | 40 |
| Volvo | A25C | 25 | 1* | 45 | 2* | 55 | 2* | 55 |
| Volvo | A25C 4X4 | 25 | 1* | 50 | 1* | 40 | 1* | 40 |
| Volvo | A25C 6X6 | 25 | 1* | 45 | 2* | 55 | 2* | 55 |
| Volvo | A25D | 27 | 1* | 55 | 2* | 65 | 2* | 65 |
| Volvo | A25E | 27 | 1* | 55 | 2* | 65 | 2* | 65 |
| Volvo | A25E 4X4 | 26.5 | 2* | 65 | CT | - | CT | - |
| Volvo | A25F | 27 | 2* | 60 | 2* | 65 | 2* | 65 |
| Volvo | A25G | 26.5 | 2* | 60 | 2* | 65 | 2* | 65 |
| Volvo | A30 | 30 | 2* | 60 | 2* | 65 | 2* | 65 |
| Volvo | A30C | 30 | 2* | 65 | 2* | 70 | 2* | 70 |
| Volvo | A30C 6X6 | 30 | 2* | 60 | 2* | 65 | 2* | 65 |
| Volvo | A30D | 31 | 2* | 60 | 2* | 75 | 2* | 75 |
| Volvo | A30E | 31 | 2* | 60 | 2* | 75 | 2* | 75 |
| Volvo | A30F | 31 | 2* | 60 | 2* | 75 | 2* | 75 |
| Volvo | A30G | 31 | 2* | 60 | 2* | 75 | 2* | 75 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 26.5R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Bell | B35D | 35.8 | 2* | 60 | 2* | 70 | 2* | 70 |
| Bell | B35E | 37 | 2* | 65 | 2* | 75 | 2* | 70 |
| Bell | B40 | 40 | 2* | 65 | CT | CT | 2* | 75 |
| Bell | B40B | 40 | 2* | 70 | 2* | 75 | 2* | 75 |
| Bell | B40D 6x4 | 40 | 2* | 60 | CT | CT | 2* | 75 |
| Caterpillar | D25C | 25 | 2* | 65 | - | - | 2* | 75 |
| Caterpillar | D25D | 25 | 2* | 65 | - | - | 2* | 75 |
| Caterpillar | D350C | 35 | 2* | 55 | 2* | 60 | 2* | 55 |
| Caterpillar | D350D | 35 | 2* | 60 | 2* | 60 | 2* | 60 |
| Caterpillar | D400D | 40 | 2* | 65 | 2* | 75 | 2* | 75 |
| Caterpillar | 735 | 35 | 2* | 70 | 2* | 70 | 2* | 70 |
| Caterpillar | 735 | 36 | 2* | 75 | 2* | 70 | 2* | 65 |
| Caterpillar | 735B | 36 | CT | CT | 2* | 70 | 2* | 70 |
| Caterpillar | 735B | 36 | CT | CT | 2* | 70 | 2* | 65 |
| Caterpillar | 735C | 36 | 2* | 70 | 2* | 70 | 2* | 70 |
| Deere | 350C | 35 | 2* | 60 | 2* | 65 | 2* | 65 |
| Deere | 350D | 35 | 2* | 55 | 2* | 65 | 2* | 65 |
| Deere | 350D Series II | 35 | 2* | 65 | 2* | 65 | 2* | 65 |
| Deere | 370E | 37 | 2* | 70 | 2* | 75 | 2* | 70 |
| Deere | 370E-II | 37 | 2* | 70 | 2* | 80 | 2* | 80 |
| Komatsu | HM350-2 | 35.6 | 2* | 65 | 2* | 70 | 2* | 70 |
| Moxy | MT36 | 36 | 2* | 65 | 2* | 65 | 2* | 65 |
| Moxy | MT40 | 40 | 2* | 60 | 2* | 70 | 2* | 70 |
| Terex | 4066 | 37 | 1* | 50 | 2* | 70 | 2* | 70 |
| Terex | 4066B | 40 | 2* | 60 | 2* | 75 | 2* | 75 |
| Terex | 4066C | 40 | 2* | 60 | CT | CT | CT | CT |
| Terex | TA350 | 37.6 | 1* | 55 | CT | CT | CT | CT |
| Volvo | A35 | 35 | 1* | 50 | 2* | 65 | 2* | 65 |
| Volvo | A35C | 35 | 1* | 50 | 2* | 65 | 2* | 65 |
| Volvo | A35C 6X6 | 35 | 1* | 50 | 2* | 65 | 2* | 65 |
| Volvo | A35D | 36 | 1* | 55 | 2* | 70 | 2* | 70 |
| Volvo | A35E | 37 | 1* | 55 | 2* | 75 | 2* | 75 |
| Volvo | A35E-FS | 37 | 1* | 55 | 2* | 75 | 2* | 75 |
| Volvo | A35F | 37 | 2* | 60 | 2* | 75 | 2* | 75 |
| Volvo | A35F-FS | 37 | 2* | 60 | 2* | 75 | 2* | 75 |
| Volvo | A35G | 37 | 2* | 60 | 2* | 75 | 2* | 75 |
| Volvo | A35G-FS | 37 | 2* | 60 | 2* | 75 | 2* | 75 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 29.5R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Atlas | FB-645 | 45 | 2* | 65 | 2* | 70 | 2* | 70 |
| Bell | B40B | 40 | 1* | 55 | 2* | 60 | 2* | 55 |
| Bell | B40D | 41 | 1* | 50 | 2* | 65 | 2* | 60 |
| Bell | B40E | 43 | 2* | 55 | 2* | 65 | 2* | 65 |
| Bell | B45D | 45 | 1* | 55 | 2* | 70 | 2* | 70 |
| Bell | B45E | 45 | 2* | 60 | 2* | 70 | 2* | 70 |
| Bell | B50E | 50 | 2* | 65 | CT | CT | CT | CT |
| Caterpillar | D30C 4x4 | 30 | 1* | 55 | - | - | 2* | 75 |
| Caterpillar | D30D 4x4 | 30 | 1* | 55 | - | - | 2* | 75 |
| Caterpillar | D35C | 35 | 1* | 55 | - | - | - | - |
| Caterpillar | D40D | 40 | 2* | 70 | - | - | - | - |
| Caterpillar | D350C | 35 | 1* | 45 | 1* | 45 | 1* | 45 |
| Caterpillar | D350D | 35 | 1* | 50 | 1* | 45 | 1* | 45 |
| Caterpillar | D400D | 40 | 1* | 55 | 2* | 55 | 2* | 55 |
| Caterpillar | D400E | 40 | 2* | 60 | 1* | 55 | 1* | 55 |
| Caterpillar | 740 | 40 | 2* | 65 | 2* | 60 | 2* | 60 |
| Caterpillar | 740 | 43.5 | 2* | 65 | 2* | 65 | 2* | 65 |
| Caterpillar | 740 EJ | 42 | 1* | 55 | 2* | 70 | 2* | 70 |
| Caterpillar | 740B | 43.5 | 2* | 70 | 2* | 65 | 2* | 65 |
| Caterpillar | 740B EJ | 42 | 2* | 60 | 2* | 70 | 2* | 70 |
| Caterpillar | 740C EJ | 42 | 2* | 60 | 2* | 70 | 2* | 70 |
| Caterpillar | 740 GC | 40 | 2* | 60 | 2* | 60 | 2* | 60 |
| Caterpillar | 745C | 45 | 2* | 70 | 2* | 65 | 2* | 65 |
| Deere | 370E | 37 | 1* | 55 | 2* | 60 | 2* | 60 |
| Deere | 400C | 40 | 1* | 55 | 2* | 60 | 2* | 55 |
| Deere | 400D | 40 | 1* | 50 | 2* | 60 | 2* | 60 |
| Deere | 400D Series II | 40 | 1* | 50 | 2* | 65 | 2* | 60 |
| Deere | 410E | 41 | 1* | 55 | 2* | 65 | 2* | 65 |
| Deere | 410E-II | 41 | 2* | 60 | 2* | 70 | 2* | 70 |
| Deere | 460E | 46 | 2* | 60 | 2* | 70 | 2* | 70 |
| Deere | 460E-II | 46 | 2* | 65 | 2* | 75 | 2* | 75 |
| Doosan | DA40 | 44 | 1* | 55 | 2* | 65 | 2* | 65 |
| Doosan | DA40-5 | 44 | 2* | 55 | 2* | 65 | 2* | 65 |
| Komatsu | HD400 | 40 | 1* | 45 | 2* | 65 | 2* | 65 |
| Komatsu | HM400-2 | 40 | 1* | 50 | 2* | 65 | 2* | 65 |
| Komatsu | HM400-3 | 44 | 1* | 55 | 2* | 70 | 2* | 70 |
| Komatsu | HM400-5 | 44 | 2* | 60 | 2* | 75 | 2* | 70 |
| Moxy | MT41 | 41 | 1* | 50 | 2* | 60 | 2* | 60 |
| Moxy | MT51 | 51 | 2* | 60 | 2* | 75 | 2* | 75 |
| Terex | TA400-9 | 42 | 1* | 45 | 2* | 70 | 2* | 70 |
| Volvo | A40 | 40 | 1* | 45 | 2* | 65 | 2* | 65 |
| Volvo | A40D | 41 | 1* | 50 | 2* | 65 | 2* | 65 |
| Volvo | A40E | 43 | 1* | 50 | 2* | 65 | 2* | 65 |
| Volvo | A40E-FS | 43 | 1* | 50 | 2* | 65 | 2* | 65 |
| Volvo | A40F | 43 | 1* | 50 | 2* | 65 | 2* | 65 |
| Volvo | A40F-FS | 43 | 1* | 50 | 2* | 65 | 2* | 65 |

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## 29.5R25 ARTICULATED DUMP TRUCK USAGE CHART CONTINUED

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Volvo | A40G | 43 | 1* | 50 | 2* | 65 | 2* | 65 |
| Volvo | A40G-FS | 43 | 1* | 55 | 2* | 65 | 2* | 65 |
| Volvo | A45G | 45 | 1* | 55 | 2* | 70 | 2* | 70 |
| Volvo | A45G-FS | 45 | 1* | 55 | 2* | 70 | 2* | 70 |
| Volvo | A25 4X4 | 25 | - | - | - | - | 2* | 70 |
| Volvo | A25B 4X4 | 25 | - | - | - | - | 2* | 70 |
| Volvo | A25C 4X4 | 25 | - | - | - | - | 2* | 70 |
| Volvo | A25E 4X4 | 26.5 | - | - | - | - | 2* | 75 |

## 750/65R25 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Bell | B30D | 30 | 1* | 40 | 1* | 45 | 1* | 45 |
| Bell | B30E | 31 | 1* | 40 | 1* | 50 | 1* | 50 |
| Caterpillar | 725C | 26 | 1* | 50 | 1* | 40 | 1* | 40 |
| Caterpillar | 730C | 31 | 1* | 55 | 1* | 50 | 1* | 50 |
| Caterpillar | 730C EJ | 31 | 1* | 45 | 1* | 55 | 1* | 55 |
| Deere | 260E | 26 | 1* | 45 | 1* | 45 | 1* | 45 |
| Deere | 300D - II | 30 | 1* | 40 | 1* | 45 | 1* | 45 |
| Deere | 310E | 31 | 1* | 40 | 1* | 50 | 1* | 50 |
| Komatsu | HM300-5 | 31 | 1* | 45 | 1* | 55 | 1* | 50 |
| Terex | TA250-9 | 26.5 | 1* | 50 | 1* | 45 | 1* | 45 |
| Terex | TA300-9 | 31 | 1* | 40 | 1* | 55 | 1* | 55 |
| Volvo | A25G | 27 | 1* | 40 | 1* | 45 | 1* | 45 |
| Volvo | A30D | 31 | 1* | 40 | 1* | 50 | 1* | 50 |
| Volvo | A30E | 31 | 1* | 40 | 1* | 50 | 1* | 50 |
| Volvo | A30G | 31 | 1* | 45 | 1* | 50 | 1* | 50 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 875/65R29 ARTICULATED DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (tons) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|---|
| Bell | B40E | 43 | 2* | 50 | 2* | 60 | 2* | 60 |
| Bell | B45E | 45 | 2* | 50 | 2* | 60 | 2* | 60 |
| Bell | 50D | 50 | 2* | 55 | 2* | 70 | 2* | 70 |
| Bell | B50E | 50 | 2* | 55 | 2* | 70 | 2* | 70 |
| Bell | B60E | 60 | 2* | 65 | - | - | - | - |
| Caterpillar | 740C EJ | 42 | 2* | 50 | 2* | 65 | 2* | 60 |
| Caterpillar | 745C | 45 | 2* | 60 | 2* | 60 | 2* | 55 |
| Deere | 370E | 37 | 2* | 50 | 2* | 50 | 2* | 50 |
| Deere | 410E | 42.5 | 2* | 50 | 2* | 60 | 2* | 60 |
| Deere | 460E | 46 | 2* | 55 | 2* | 65 | 2* | 65 |
| Volvo | A40D | 41 | 2* | 45 | 2* | 60 | 2* | 60 |
| Volvo | A40F | 43 | 2* | 45 | 2* | 60 | 2* | 60 |
| Volvo | A40F-FS | 43 | 2* | 45 | 2* | 60 | 2* | 60 |
| Volvo | A40G | 43 | 2* | 45 | 2* | 60 | 2* | 60 |
| Volvo | A40G-FS | 43 | 2* | 50 | 2* | 60 | 2* | 60 |
| Volvo | A45G | 45 | 2* | 45 | 2* | 60 | 2* | 60 |
| Volvo | A45G-FS | 45 | 2* | 50 | 2* | 60 | 2* | 60 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# RADIAL GRADER

## 14.00R24TG GRADER USAGE CHART

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Case | 845B | 1* | 30 | 1* | 40 | 1* | 40 |
| Case | 865B | 1* | 30 | 1* | 40 | 1* | 40 |
| Case | 865B AWD | 1* | 35 | 1* | 40 | 1* | 40 |
| Case | 885B | 1* | 40 | 1* | 45 | 1* | 45 |
| Case | 885B AWD | 1* | 45 | 1* | 45 | 1* | 45 |
| Caterpillar | 12M | 1* | 35 | 1* | 50 | 1* | 50 |
| Caterpillar | 12M2 | 1* | 40 | 1* | 50 | 1* | 50 |
| Caterpillar | 12M2 AWD | 1* | 45 | 1* | 55 | 1* | 55 |
| Caterpillar | 12M3 | 1* | 40 | 1* | 55 | 1* | 55 |
| Caterpillar | 12M3 AWD | 1* | 45 | 1* | 55 | 1* | 55 |
| Caterpillar | 120M2 | 1* | 35 | 1* | 50 | 1* | 50 |
| Caterpillar | 120M2 AWD | 1* | 35 | 1* | 50 | 1* | 50 |
| Caterpillar | 140 | 1* | 35 | 1* | 55 | 1* | 55 |
| Caterpillar | 140H | 1* | 30 | 1* | 40 | 1* | 40 |
| Caterpillar | 140M | 1* | 40 | 1* | 50 | 1* | 50 |
| Caterpillar | 140M AWD | 1* | 40 | 1* | 55 | 1* | 55 |
| Caterpillar | 140M2 | 1* | 40 | 1* | 55 | 1* | 55 |
| Caterpillar | 140M2 AWD | 1* | 45 | 1* | 55 | 1* | 55 |
| Caterpillar | 140M3 | 1* | 40 | 1* | 55 | 1* | 55 |
| Caterpillar | 140M3 AWD | 1* | 45 | CT | CT | CT | CT |
| Caterpillar | 160M | 1* | 40 | 1* | 55 | 1* | 55 |
| Caterpillar | 160M AWD | 1* | 45 | 1* | 55 | 1* | 55 |
| Caterpillar | 160M2 | 1* | 45 | 1* | 55 | 1* | 55 |
| Caterpillar | 160M2 AWD | 1* | 50 | CT | CT | CT | CT |
| Caterpillar | 160M3 | 1* | 45 | CT | CT | CT | CT |
| Caterpillar | 160M3 AWD | 1* | 50 | CT | CT | CT | CT |
| Deere | 620G/GP | 1* | 35 | 1* | 50 | 1* | 50 |
| Deere | 622G/GP | 1* | 40 | 1* | 50 | 1* | 50 |
| Deere | 670G Std | 1* | 30 | 1* | 45 | 1* | 45 |
| Deere | 670G w/ ripper | 1* | 40 | 1* | 50 | 1* | 50 |
| Deere | 672G Std | 1* | 35 | 1* | 45 | 1* | 45 |
| Deere | 672G w/ ripper | 1* | 45 | 1* | 55 | 1* | 55 |
| Deere | 770C std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 770C w/ scarifier | 1* | 35 | 1* | 40 | 1* | 40 |
| Deere | 770C w/ ripper | 1* | 30 | 1* | 45 | 1* | 45 |
| Deere | 770CH std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 770CH w/ scarifier | 1* | 35 | 1* | 40 | 1* | 40 |
| Deere | 770CH w/ ripper | 1* | 30 | 1* | 45 | 1* | 45 |
| Deere | 770G std | 1* | 30 | 1* | 45 | 1* | 45 |
| Deere | 770G w/ ripper | 1* | 40 | 1* | 55 | 1* | 55 |
| Deere | 772CH std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 772CH w/ scarifier | 1* | 40 | 1* | 40 | 1* | 40 |

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## 14.00R24TG GRADER USAGE CHART CONTINUED

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Deere | 772CH w/ ripper | 1* | 35 | 1* | 45 | 1* | 45 |
| Deere | 772D std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 772D w/ ripper | 1* | 35 | 1* | 50 | 1* | 50 |
| Deere | 772G std | 1* | 35 | 1* | 45 | 1* | 45 |
| Deere | 772G w/ ripper | 1* | 45 | 1* | 55 | 1* | 55 |
| Deere | 870G std | 1* | 30 | 1* | 45 | 1* | 45 |
| Deere | 870G w/ ripper | 1* | 40 | 1* | 55 | 1* | 55 |
| Deere | 872G std | 1* | 35 | 1* | 50 | 1* | 50 |
| Deere | 872G w/ ripper | 1* | 45 | CT | CT | CT | CT |
| Terex | TG140 | 1* | 40 | 1* | 40 | 1* | 40 |
| Terex | TG180 | 1* | 45 | 1* | 45 | 1* | 45 |
| Terex | TG200 | 1* | 50 | 1* | 45 | 1* | 45 |
| Volvo | G930B | 1* | 30 | 1* | 40 | 1* | 40 |
| Volvo | G930C | 1* | 30 | 1* | 45 | 1* | 45 |
| Volvo | G940B | 1* | 35 | 1* | 45 | 1* | 45 |
| Volvo | G940C | 1* | 35 | 1* | 45 | 1* | 45 |
| Volvo | G946B | 1* | 35 | 1* | 45 | 1* | 45 |
| Volvo | G946C | 1* | 35 | 1* | 50 | 1* | 50 |
| Volvo | G960B | 1* | 35 | 1* | 50 | 1* | 50 |
| Volvo | G960C | 1* | 35 | 1* | 50 | 1* | 50 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 17.5R25 GRADER USAGE CHART

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Case | 845B | 1* | 30 | 1* | 40 | 1* | 40 |
| Case | 856C | 1* | 30 | 1* | 40 | 1* | 40 |
| Case | 856C AWD | 1* | 30 | 1* | 40 | 1* | 40 |
| Case | 865B | 1* | 30 | 1* | 40 | 1* | 40 |
| Case | 865B AWD | 1* | 30 | 1* | 40 | 1* | 40 |
| Case | 885B | 1* | 35 | 1* | 40 | 1* | 40 |
| Case | 885B AWD | 1* | 35 | 1* | 40 | 1* | 40 |
| Caterpillar | 12M | 1* | 30 | 1* | 40 | 1* | 40 |
| Caterpillar | 12M2 | 1* | 30 | 1* | 45 | 1* | 45 |
| Caterpillar | 12M2 AWD | 1* | 35 | 1* | 45 | 1* | 45 |
| Caterpillar | 12M3 | 1* | 30 | 1* | 45 | 1* | 45 |
| Caterpillar | 12M3 AWD | 1* | 35 | 1* | 45 | 1* | 45 |
| Caterpillar | 120M2 | 1* | 30 | 1* | 40 | 1* | 40 |
| Caterpillar | 120M2 AWD | 1* | 30 | 1* | 45 | 1* | 45 |
| Caterpillar | 140H | 1* | 30 | 1* | 40 | 1* | 40 |

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## 17.5R25 GRADER USAGE CHART CONTINUED

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Caterpillar | 140M | 1* | 30 | 1* | 45 | 1* | 45 |
| Caterpillar | 140M AWD | 1* | 35 | 1* | 45 | 1* | 45 |
| Caterpillar | 140M2 | 1* | 35 | 1* | 45 | 1* | 45 |
| Caterpillar | 140M2 AWD | 1* | 35 | 1* | 45 | 1* | 45 |
| Caterpillar | 140M3 | 1* | 35 | 1* | 45 | 1* | 45 |
| Caterpillar | 140M3 AWD | 1* | 40 | CT | CT | CT | CT |
| Caterpillar | 160M | 1* | 35 | 1* | 45 | 1* | 45 |
| Caterpillar | 160M AWD | 1* | 35 | 1* | 45 | 1* | 45 |
| Caterpillar | 160M2 | 1* | 35 | 1* | 45 | 1* | 45 |
| Caterpillar | 160M2 AWD | 1* | 40 | CT | CT | CT | CT |
| Caterpillar | 160M3 | 1* | 35 | CT | CT | CT | CT |
| Caterpillar | 160M3 AWD | 1* | 40 | CT | CT | CT | CT |
| Deere | 620G/GP | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 622G/GP | 1* | 30 | 1* | 45 | 1* | 45 |
| Deere | 670G Std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 670G w/ ripper | 1* | 35 | 1* | 45 | 1* | 45 |
| Deere | 672G Std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 672G w/ ripper | 1* | 35 | 1* | 45 | 1* | 45 |
| Deere | 770C std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 770C w/ scarifier | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 770C w/ ripper | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 770CH std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 770CH w/ scarifier | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 770CH w/ ripper | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 770G std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 770G w/ ripper | 1* | 35 | 1* | 45 | 1* | 45 |
| Deere | 772CH std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 772CH w/ scarifier | 1* | 35 | 1* | 40 | 1* | 40 |
| Deere | 772CH w/ ripper | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 772D std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 772D w/ ripper | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 772G std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 772G w/ ripper | 1* | 35 | 1* | 45 | 1* | 45 |
| Deere | 870G std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 870G w/ ripper | 1* | 35 | 1* | 45 | 1* | 45 |
| Deere | 872G std | 1* | 30 | 1* | 40 | 1* | 40 |
| Deere | 872G w/ ripper | 1* | 40 | CT | CT | CT | CT |
| Komatsu | GD655-5 | 1* | 30 | 1* | 40 | 1* | 40 |
| Komatsu | GD655-5 w/ ripper | 1* | 30 | 1* | 40 | 1* | 40 |
| Komatsu | GD655-5 w/ scarifier | 1* | 30 | 1* | 40 | 1* | 40 |
| Komatsu | GD655-6 | 1* | 30 | 1* | 40 | 1* | 40 |
| Komatsu | GD655-6 w/ ripper | 1* | 30 | 1* | 45 | 1* | 45 |
| Komatsu | GD655-6 w/ scaifier | 1* | 30 | 1* | 40 | 1* | 40 |
| Komatsu | GD655-7 | 1* | 30 | 1* | 40 | 1* | 40 |
| Volvo | G930B | 1* | 30 | 1* | 40 | 1* | 40 |
| Volvo | G930C | 1* | 30 | 1* | 45 | 1* | 45 |

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## 17.5R25 GRADER USAGE CHART CONTINUED

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Volvo | G940B | 1* | 30 | 1* | 40 | 1* | 40 |
| Volvo | G940C | 1* | 30 | CT | CT | CT | CT |
| Volvo | G946B | 1* | 30 | 1* | 40 | 1* | 40 |
| Volvo | G946C | 1* | 30 | CT | CT | CT | CT |
| Volvo | G960B | 1* | 30 | 1* | 40 | 1* | 40 |
| Volvo | G960C | 1* | 35 | CT | CT | CT | CT |

## 20.5R25 GRADER USAGE CHART

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Caterpillar | 14M | 1* | 30 | 1* | 45 | 1* | 45 |
| Caterpillar | 14M3 | 1* | 30 | CT | CT | CT | CT |

## 29.5R29 GRADER USAGE CHART

For Standard Grader Service: Unlimited distance, < 25 mph

| Manufacturer | Model | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Middle Minimum Ply Rating | Middle Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|---|
| Caterpillar | 24M | 1* | 45 | 1* | 60 | 1* | 60 |
| Caterpillar | 24 | 1* | 50 | CT | CT | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# RADIAL LOADER

## 17.5R25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | IT14B | 1.6 | 1* | 60 | 1* | 60 |
| Caterpillar | IT14F | 1.6 | 1* | 60 | 1* | 60 |
| Caterpillar | IT14G | 1.7 | 1* | 60 | 1* | 60 |
| Caterpillar | IT18 | 1.5 | 1* | 60 | 1* | 60 |
| Caterpillar | IT18B | 1.75 | 1* | 60 | 1* | 60 |
| Caterpillar | IT18F | 2 | 1* | 65 | 1* | 60 |
| Caterpillar | IT24 | 2.3 | 1* | 65 | 1* | 60 |
| Caterpillar | IT24F | 2.4 | 1* | 75 | 1* | 60 |
| Caterpillar | IT28 | 2 | 1* | 65 | 1* | 60 |
| Caterpillar | IT28B | 2.25 | 1* | 70 | 1* | 60 |
| Caterpillar | IT28F | 2.6 | 1* | 75 | 1* | 60 |
| Caterpillar | 910M | 2.5 | 1* | 65 | 1* | 60 |
| Caterpillar | 914G | 1.7 | 1* | 60 | 1* | 60 |
| Caterpillar | 914G2 | 1.8 | 1* | 60 | 1* | 60 |
| Caterpillar | 914K | 1.7 | 1* | 60 | 1* | 60 |
| Caterpillar | 914K HL | 1.7 | 1* | 60 | 1* | 60 |
| Caterpillar | 914M | 2.5 | 1* | 65 | 1* | 60 |
| Caterpillar | 916 | 2 | 1* | 60 | 1* | 60 |
| Caterpillar | 918F | 2 | 1* | 60 | 1* | 60 |
| Caterpillar | 918M | 2.5 | 1* | 70 | 1* | 60 |
| Caterpillar | 924F | 2.25 | 1* | 65 | 1* | 60 |
| Caterpillar | 924Gz | 2.3 | 1* | 65 | 1* | 60 |
| Caterpillar | 924K | 2.5 | 1* | 85 | 1* | 60 |
| Caterpillar | 926 | 1.75 | 1* | 60 | 1* | 60 |
| Caterpillar | 926E | 2.25 | 1* | 65 | 1* | 60 |
| Caterpillar | 926M | 2.5 | 1* | 85 | 1* | 60 |
| Caterpillar | 928F | 2.6 | 1* | 75 | 1* | 60 |
| Caterpillar | 928G | 2.6 | 1* | 75 | 1* | 60 |
| Caterpillar | 930 | 2.25 | 1* | 65 | 1* | 60 |
| Caterpillar | 936 | 2.75 | 1* | 85 | 1* | 60 |
| Caterpillar | 936E | 3 | 1* | 90 | 1* | 60 |
| Caterpillar | 936F | 3 | 1* | 90 | 1* | 60 |
| Case | W14C | 1.7 | 1* | 60 | 1* | 60 |
| Case | W18 | 2 | 1* | 60 | 1* | 60 |
| Case | W18B | 2 | 1* | 60 | 1* | 60 |
| Case | W20 | 2 | 1* | 65 | 1* | 60 |
| Case | W20B | 2.5 | 1* | 70 | 1* | 60 |
| Case | W20C | 2 | 1* | 60 | 1* | 60 |
| Case | W24B | 2.5 | 1* | 70 | 1* | 60 |
| Case | W24C | 3 | 1* | 80 | 1* | 60 |
| Case | 521D | 2 | 1* | 60 | 1* | 60 |
| Case | 521G Z-Bar | 2.1 | 1* | 65 | 1* | 60 |
| Case | 521G Z-Bar | 2 | 1* | 65 | 1* | 60 |
| Case | 521G Z-Bar | 2.3 | 1* | 70 | 1* | 60 |
| Case | 521G XR | 2.1 | 1* | 70 | 1* | 60 |
| Case | 521G XR | 2 | 1* | 65 | 1* | 60 |
| Case | 521G XR | 2.3 | 1* | 70 | 1* | 60 |
| Case | 521G XT | 2.1 | 1* | 70 | 1* | 60 |
| Case | 521G XT | 2 | 1* | 70 | 1* | 60 |
| Case | 621 | 2.2 | 1* | 70 | 1* | 60 |
| Daewoo | Mega 200 | 2.4 | 1* | 70 | 1* | 60 |
| Daewoo | Mega 200-III | 2.3 | 1* | 70 | 1* | 60 |
| Deere | 304H | 1.25 | 1* | 60 | 1* | 60 |
| Deere | 304H WH | 1 | 1* | 60 | 1* | 60 |
| Deere | 324H | 1.75 | 1* | 60 | 1* | 60 |
| Deere | 344E | 1.6 | 1* | 60 | 1* | 60 |
| Deere | 344G | 1.6 | 1* | 60 | 1* | 60 |
| Deere | 344H | 2 | 1* | 60 | 1* | 60 |
| Deere | 344K | 1.75 | 1* | 60 | 1* | 60 |
| Deere | 344L | 2 | 1* | 60 | 1* | 60 |
| Deere | 344L HL | 2 | 1* | 65 | 1* | 60 |
| Deere | 444 | 1.5 | 1* | 60 | 1* | 60 |
| Deere | 444C | 1.75 | 1* | 60 | 1* | 60 |
| Deere | 444D | 1.75 | 1* | 60 | 1* | 60 |
| Deere | 444E | 1.75 | 1* | 60 | 1* | 60 |
| Deere | 444G | 1.75 | 1* | 60 | 1* | 60 |
| Deere | 444H | 2.5 | 1* | 70 | 1* | 60 |
| Deere | 444H HL | 2.5 | 1* | 75 | 1* | 60 |
| Deere | 444K Z-bar | 2.5 | 1* | 75 | 1* | 60 |
| Deere | 444K HL | 2.5 | 1* | 80 | 1* | 60 |
| Deere | 444K Powerllel | 2.5 | 1* | 85 | 1* | 60 |
| Deere | 544B | 1.75 | 1* | 60 | 1* | 60 |
| Deere | 544C | 2 | 1* | 65 | 1* | 60 |
| Deere | 544D | 2.2 | 1* | 65 | 1* | 60 |
| Deere | 544E | 2.2 | 1* | 65 | 1* | 60 |
| Deere | 544G | 2.5 | 1* | 70 | 1* | 60 |
| Deere | 544G-TC | 2.5 | 1* | 75 | 1* | 60 |
| Deere | TC44H | 2 | 1* | 60 | 1* | 60 |
| Deere | TC54H | 2.5 | 1* | 65 | 1* | 60 |
| Deere | TC62H | 3 | 1* | 70 | 1* | 60 |
| Fiatallis | FR7B | 1.4 | 1* | 60 | 1* | 60 |
| Fiatallis | FR7C | 1.4 | 1* | 60 | 1* | 60 |
| Fiatallis | FR70 | 1.4 | 1* | 60 | 1* | 60 |

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## 17.5R25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Fiatallis | 345B | 1.5 | 1* | 60 | 1* | 60 |
| Fiatallis | FR9B PL | 1.7 | 1* | 60 | 1* | 60 |
| Fiatallis | FR90 PL | 1.8 | 1* | 60 | 1* | 60 |
| Fiatallis | FR9B | 1.8 | 1* | 60 | 1* | 60 |
| Fiatallis | FR9C | 1.8 | 1* | 60 | 1* | 60 |
| Fiatallis | FR90 | 1.8 | 1* | 60 | 1* | 60 |
| Fiatallis | FR10 | 2 | 1* | 60 | 1* | 60 |
| Fiatallis | FR10B | 2.2 | 1* | 65 | 1* | 60 |
| Fiatallis | FR10C | 2.25 | 1* | 65 | 1* | 60 |
| Fiatallis | FR100 | 2.25 | 1* | 65 | 1* | 60 |
| Fiatallis | FR11 | 2.5 | 1* | 75 | 1* | 60 |
| Fiatallis | FR12 | 2.5 | 1* | 75 | 1* | 60 |
| Fiatallis | FR12B | 2.5 | 1* | 70 | 1* | 60 |
| Fiatallis | FR120 | 2.5 | 1* | 70 | 1* | 60 |
| Fiatallis | FR120-2 | 2.5 | 1* | 75 | 1* | 60 |
| Fiatallis | FW130 | 2.75 | 1* | 80 | 1* | 60 |
| Fiatallis | FW110 | 2.2 | 1* | 65 | 1* | 60 |
| Fiat Hitachi | W110 | 2.1 | 1* | 60 | 1* | 60 |
| Fiat Hitachi | W130 PL | 2.6 | 1* | 75 | 1* | 60 |
| Furukawa | FL120-I | 1.7 | 1* | 60 | 1* | 60 |
| Furukawa | FL120A-I | 1.7 | 1* | 60 | 1* | 60 |
| Hitachi | ZW120 | 2 | 1* | 60 | 1* | 60 |
| Hitachi | ZW120 HL | 1.75 | 1* | 60 | 1* | 60 |
| Hitachi | ZW120-6 | 2 | 1* | 60 | 1* | 60 |
| Hitachi | ZW120-6 HL | 2 | 1* | 60 | 1* | 60 |
| Hitachi | ZW140 | 2.6 | 1* | 70 | 1* | 60 |
| Hitachi | ZW140 HL | 2 | 1* | 65 | 1* | 60 |
| Hitachi | ZW140-6 | 2.7 | 1* | 75 | 1* | 60 |
| Hitachi | ZW140-6 HL | 2.7 | 1* | 80 | 1* | 60 |
| Hyundai | HL17 | 2.4 | 1* | 75 | 1* | 60 |
| Hyundai | HL730-9A | 2.5 | 1* | 70 | 1* | 60 |
| Hyundai | HL730XTD-9A | 2.5 | 1* | 75 | 1* | 60 |
| Hyundai | HL730TM-9A | 2.2 | 1* | 70 | 1* | 60 |
| Hyundai | HL740-9A | 3 | 1* | 90 | 1* | 60 |
| Hyundai | HL740XTD-9A | 3 | 2* | CT | 1* | 60 |
| Hyundai | HL740TM-9A | 3 | 2* | CT | 1* | 65 |
| Hyundai | HL757-9A | 3.7 | 2* | CT | 1* | 65 |
| Hyundai | HL757XTD-9A | 3.7 | CT | CT | 1* | 75 |
| Hyundai | HL757TM-9A | 3.5 | CT | CT | 1* | 70 |
| Hyundai | HL940 | 3 | 1* | 90 | 1* | 60 |
| Hyundai | HL940 XT | 3 | 2* | CT | 1* | 60 |
| Hyundai | HL955 | 3.1 | 2* | CT | 1* | 60 |
| Hyundai | HL955 XTD | 3.1 | 2* | CT | 1* | 65 |
| JCB | 411HT | 1.6 | 1* | 60 | 1* | 60 |
| JCB | 416HT | 2.2 | 1* | 65 | 1* | 60 |
| JCB | 417HT | 2 | 1* | 60 | 1* | 60 |
| JCB | 417HT HL | 2 | 1* | 60 | 1* | 60 |
| JCB | 417HT SHL | 2 | 1* | 70 | 1* | 60 |
| Kawasaki | 50ZIV | 1.7 | 1* | 60 | 1* | 60 |
| Kawasaki | 50ZIV-2 | 2 | 1* | 60 | 1* | 60 |
| Kawasaki | 60Z | 2.1 | 1* | 60 | 1* | 60 |
| Kawasaki | 60ZII | 2.1 | 1* | 60 | 1* | 60 |
| Kawasaki | 60ZIII | 2.1 | 1* | 60 | 1* | 60 |
| Kawasaki | 60ZIV | 2.1 | 1* | 60 | 1* | 60 |
| Kawasaki | 60ZIV-2 | 2.5 | 1* | 65 | 1* | 60 |
| Kawasaki | 60Z7 | 2 | 1* | 60 | 1* | 60 |
| Kawasaki | 60ZV-2 | 2.2 | 1* | 60 | 1* | 60 |
| Kawasaki | 60ZV-2 HL | 2.2 | 1* | 65 | 1* | 60 |
| Kawasaki | 60ZV-2 SHL | 2.2 | 1* | 70 | 1* | 60 |
| Kawasaki | 62Z7 | 2.75 | 1* | 75 | 1* | 60 |
| Kawasaki | 65TM-2 | 2.6 | 2* | CT | 1* | 60 |
| Kawasaki | 65Z | 2.3 | 1* | 65 | 1* | 60 |
| Kawasaki | 65ZII | 2.3 | 1* | 65 | 1* | 60 |
| Kawasaki | 65ZIII | 2.6 | 1* | 70 | 1* | 60 |
| Kawasaki | 65ZIV | 2.6 | 1* | 75 | 1* | 60 |
| Kawasaki | 65ZIV-2 | 3 | 1* | 80 | 1* | 60 |
| Kawasaki | 65ZV-2 | 3 | 1* | 80 | 1* | 60 |
| Kawasaki | 65ZV-2 HL | 2.8 | 1* | 80 | 1* | 60 |
| Kawasaki | 65ZV-2 SHL | 2.8 | 1* | 85 | 1* | 60 |
| Komatsu | WA120-1 | 1.75 | 1* | 60 | 1* | 60 |
| Komatsu | WA120-3 | 1.85 | 1* | 60 | 1* | 60 |
| Komatsu | WA150-5 | 2 | 1* | 60 | 1* | 60 |
| Komatsu | WA180-1 | 2.25 | 1* | 65 | 1* | 60 |
| Komatsu | WA180-3 | 2.9 | 1* | 75 | 1* | 60 |
| Komatsu | WA180-3 PTC | 2.5 | 1* | 70 | 1* | 60 |
| Komatsu | WA200-5 | 2.6 | 1* | 70 | 1* | 60 |
| Komatsu | WA200-6 | 2.6 | 1* | 70 | 1* | 60 |
| Komatsu | WA200PZ-6 | 2.6 | 1* | 75 | 1* | 60 |
| Komatsu | WA200-7 | 2.6 | 1* | 75 | 1* | 60 |
| Komatsu | WA200-8 | 2.6 | 1* | 75 | 1* | 60 |
| Komatsu | WA250-5 | 3 | 1* | 80 | 1* | 60 |
| Komatsu | WA250-6 | 3 | 1* | 75 | 1* | 60 |
| Komatsu | WA250PZ-6 | 2.9 | 1* | 85 | 1* | 60 |
| Komatsu Dresser | 512 | 1.7 | 1* | 60 | 1* | 60 |
| Komatsu Dresser | 515B | 1.6 | 1* | 60 | 1* | 60 |
| Komatsu Dresser | 515C | 2 | 1* | 60 | 1* | 60 |
| Komatsu Dresser | 515CH | 2 | 1* | 60 | 1* | 60 |

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## 17.5R25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Komatsu Dresser | 518 | 2.2 | 1* | 65 | 1* | 60 |
| Komatsu Dresser | 520B | 2.25 | 1* | 65 | 1* | 60 |
| Komatsu Dresser | 520C | 2.5 | 1* | 70 | 1* | 60 |
| Liebherr | L524 Z-bar | 2.7 | 1* | 75 | 1* | 60 |
| Liebherr | L524 | 2.4 | 1* | 75 | 1* | 60 |
| Liebherr | L524 HL | 2.4 | 1* | 80 | 1* | 60 |
| Liebherr | L526 Z-bar | 2.75 | 1* | 75 | 1* | 60 |
| Liebherr | L526 | 2.75 | 1* | 85 | 1* | 60 |
| Liebherr | L526 HL | 2.75 | 1* | 90 | 1* | 60 |
| Liebherr | L528 Z-bar | 3 | 1* | 80 | 1* | 60 |
| Liebherr | L528 | 2.7 | 1* | 80 | 1* | 60 |
| Liebherr | L528 HL | 2.7 | 1* | 90 | 1* | 60 |
| Terex | 33C | 1.75 | 1* | 60 | 1* | 60 |
| Terex | 44C | 2.25 | 1* | 75 | 1* | 60 |
| Volvo | L45H | 2 | 1* | 60 | 1* | 60 |
| Volvo | L50C | 2 | 1* | 60 | 1* | 60 |
| Volvo | L50D | 2 | 1* | 60 | 1* | 60 |
| Volvo | L50H | 2.1 | 1* | 65 | 1* | 60 |
| Volvo | L60G | 2.75 | 1* | 80 | 1* | 60 |
| Volvo | L60H | 2.75 | 1* | 75 | 1* | 60 |
| Volvo | L70B | 2.1 | 1* | 65 | 1* | 60 |
| Volvo | L70C | 2.5 | 1* | 70 | 1* | 60 |
| Volvo | L70D | 2.5 | 1* | 75 | 1* | 60 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 20.5R25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | IT38F | 3.25 | 1* | 70 | 1* | 60 |
| Caterpillar | IT38G | 3.3 | 1* | 70 | 1* | 60 |
| Caterpillar | IT38H | 3.3 | 1* | 80 | 1* | 60 |
| Caterpillar | 924G | 2.3 | 1* | 60 | 1* | 60 |
| Caterpillar | 924H | 2.4 | 1* | 60 | 1* | 60 |
| Caterpillar | 924Hz | 2.3 | 1* | 60 | 1* | 60 |
| Caterpillar | 924K | 2.5 | 1* | 65 | 1* | 60 |
| Caterpillar | 926M | 2.5 | 1* | 65 | 1* | 60 |
| Caterpillar | 928Hz | 2.6 | 1* | 60 | 1* | 60 |
| Caterpillar | 930H | 2.7 | 1* | 60 | 1* | 60 |
| Caterpillar | 930K | 2.75 | 1* | 65 | 1* | 60 |
| Caterpillar | 930M | 2.75 | 1* | 70 | 1* | 60 |
| Caterpillar | 930M HL | 2.7 | 1* | 70 | 1* | 60 |
| Caterpillar | 936F TC | 3 | 1* | 65 | 1* | 60 |
| Caterpillar | 938F | 3.25 | 1* | 70 | 1* | 60 |
| Caterpillar | 938G | 3.25 | 1* | 70 | 1* | 60 |
| Caterpillar | 938H | 3.65 | 1* | 80 | 1* | 60 |
| Caterpillar | 938K | 3.25 | 1* | 75 | 1* | 60 |
| Caterpillar | 938M | 3.25 | 1* | 80 | 1* | 60 |
| Caterpillar | 950B | 3.75 | 1* | 85 | 1* | 60 |
| Caterpillar | 950F | 4 | 1* | 90 | 1* | 60 |
| Case | 521G Z-Bar | 2.1 | 1* | 60 | 1* | 60 |
| Case | 521G Z-Bar | 2 | 1* | 60 | 1* | 60 |
| Case | 521G Z-Bar | 2.3 | 1* | 60 | 1* | 60 |
| Case | 521G XR | 2.1 | 1* | 60 | 1* | 60 |
| Case | 521G XR | 2 | 1* | 60 | 1* | 60 |
| Case | 521G XR | 2.3 | 1* | 60 | 1* | 60 |
| Case | 521G XT | 2.1 | 1* | 60 | 1* | 60 |
| Case | 521G XT | 2 | 1* | 60 | 1* | 60 |
| Case | 621B | 2.25 | 1* | 60 | 1* | 60 |
| Case | 621B | 3 | 1* | 65 | 1* | 60 |
| Case | 621B XT | 2.25 | 1* | 60 | 1* | 60 |
| Case | 621D | 2.5 | 1* | 60 | 1* | 60 |
| Case | 621E | 3 | 1* | 65 | 1* | 60 |
| Case | 621E XT | 3 | 1* | 65 | 1* | 60 |
| Case | 621E XR | 3 | 1* | 65 | 1* | 60 |
| Case | 621G Z-Bar | 2.5 | 1* | 60 | 1* | 60 |
| Case | 621G Z-Bar | 2.4 | 1* | 60 | 1* | 60 |
| Case | 621G Z-Bar | 2.75 | 1* | 60 | 1* | 60 |
| Case | 621G XR | 2.5 | 1* | 60 | 1* | 60 |
| Case | 621G XR | 2.4 | 1* | 60 | 1* | 60 |
| Case | 621G XR | 2.75 | 1* | 65 | 1* | 60 |
| Case | 621G XT | 2.5 | 1* | 60 | 1* | 60 |
| Case | 621G XT | 2.4 | 1* | 60 | 1* | 60 |
| Case | 621G XT | 3 | 1* | 70 | 1* | 60 |
| Case | 621G XT | 2.8 | 1* | 65 | 1* | 60 |
| Case | 721 | 2.75 | 1* | 60 | 1* | 60 |
| Case | 721B | 2.75 | 1* | 60 | 1* | 60 |
| Case | 721B XT | 2.75 | 1* | 65 | 1* | 60 |
| Case | 721C | 2.75 | 1* | 65 | 1* | 60 |
| Case | 721E | 3.5 | 1* | 70 | 1* | 60 |
| Case | 721E XT | 3 | 1* | 65 | 1* | 60 |
| Case | 721E XR | 3 | 1* | 70 | 1* | 60 |
| Case | 721F | 3 | 1* | 65 | 1* | 60 |
| Case | 721F XT | 3 | 1* | 70 | 1* | 60 |
| Case | 721F XR | 3 | 1* | 70 | 1* | 60 |
| Case | 721G Z-Bar | 3 | 1* | 65 | 1* | 60 |
| Case | 721G Z-Bar | 2.8 | 1* | 65 | 1* | 60 |
| Case | 721G Z-Bar | 3.25 | 1* | 70 | 1* | 60 |
| Case | 721G XR | 3 | 1* | 70 | 1* | 60 |
| Case | 721G XR | 2.8 | 1* | 70 | 1* | 60 |
| Case | 721G XR | 3.25 | 1* | 75 | 1* | 60 |
| Case | 721G XT | 3 | 1* | 70 | 1* | 60 |
| Case | 721G XT | 2.8 | 1* | 70 | 1* | 60 |
| Case | W30 | 3.5 | 1* | 65 | 1* | 60 |
| Daewoo | Mega 250-III | 3.1 | 1* | 70 | 1* | 60 |
| Deere | 444K Z-bar | 2.5 | 1* | 60 | 1* | 60 |
| Deere | 444K HL | 2.5 | 1* | 60 | 1* | 60 |
| Deere | 444K Powerllel | 2.5 | 1* | 60 | 1* | 60 |
| Deere | 524K | 2.75 | 1* | 60 | 1* | 60 |
| Deere | 524K HL | 2.75 | 1* | 60 | 1* | 60 |
| Deere | 524L | 2.75 | 1* | 60 | 1* | 60 |
| Deere | 524L HL | 2.75 | 1* | 65 | 1* | 60 |
| Deere | 544H | 3 | 1* | 65 | 1* | 60 |
| Deere | 544H HL | 3 | 1* | 65 | 1* | 60 |
| Deere | 544J | 3 | 1* | 65 | 1* | 60 |
| Deere | 544J HL | 3 | 1* | 65 | 1* | 60 |
| Deere | 544K | 3 | 1* | 65 | 1* | 60 |
| Deere | 544K HL | 3 | 1* | 65 | 1* | 60 |
| Deere | 544L | 3 | 1* | 65 | 1* | 60 |
| Deere | 544L HL | 2.75 | 1* | 65 | 1* | 60 |
| Deere | 624E | 2.6 | 1* | 60 | 1* | 60 |
| Deere | 624G | 3.25 | 1* | 70 | 1* | 60 |
| Deere | 624H | 3.5 | 1* | 70 | 1* | 60 |
| Deere | 624H HL | 3 | 1* | 70 | 1* | 60 |
| Deere | 624K | 3.5 | 1* | 75 | 1* | 60 |
| Deere | 624K HL | 3.5 | 1* | 75 | 1* | 60 |
| Deere | 624L | 3.5 | 1* | 75 | 1* | 60 |
| Deere | 624L HL | 3.5 | 1* | 80 | 1* | 60 |
| Deere | 644B | 2.5 | 1* | 60 | 1* | 60 |

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## 20.5R25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Deere | 644C | 3 | 1* | 65 | 1* | 60 |
| Doosan | DL200 | 2.6 | 1* | 60 | 1* | 60 |
| Doosan | DL200TC | 2.6 | 1* | 60 | 1* | 60 |
| Doosan | DL200-5 | 2.6 | 1* | 60 | 1* | 60 |
| Doosan | DL200-5 HL | 2.6 | 1* | 60 | 1* | 60 |
| Doosan | DL200TC-5 | 2.6 | 1* | 60 | 1* | 60 |
| Doosan | DL220-5 | 3 | 1* | 65 | 1* | 60 |
| Doosan | DL220-5 HL | 3 | 1* | 65 | 1* | 60 |
| Doosan | DL250 | 3.3 | 1* | 70 | 1* | 60 |
| Doosan | DL250TC | 3.4 | 1* | 75 | 1* | 60 |
| Doosan | DL250HL | 3.4 | 1* | 75 | 1* | 60 |
| Doosan | DL250-5 | 3.3 | 1* | 70 | 1* | 60 |
| Doosan | DL250-5 HL | 3.3 | 1* | 75 | 1* | 60 |
| Doosan | DL250TC-5 | 3.3 | 1* | 75 | 1* | 60 |
| Doosan | DL280-5 | 3.7 | 1* | 80 | 1* | 60 |
| Doosan | DL280-5 HL | 3.7 | 1* | 85 | 1* | 60 |
| Dressta | 520E | 2.3 | 1* | 60 | 1* | 60 |
| Fiatallis | FR130 | 3 | 1* | 65 | 1* | 60 |
| Fiatallis | FR130-2 | 3 | 1* | 65 | 1* | 60 |
| Fiatallis | FR140 | 3 | 1* | 65 | 1* | 60 |
| Fiatallis | FR140-2 | 3.25 | 1* | 70 | 1* | 60 |
| Fiatallis | FR15 | 3 | 1* | 70 | 1* | 60 |
| Fiatallis | FR15B | 3.1 | 1* | 70 | 1* | 60 |
| Fiat Hitachi | W170 PL | 3.9 | 1* | 80 | 1* | 60 |
| Furukawa | FL150-I | 2 | 1* | 60 | 1* | 60 |
| Furukawa | FL200-I | 2.6 | 1* | 60 | 1* | 60 |
| Furukawa | FL230-I | 3.1 | 1* | 70 | 1* | 60 |
| Hitachi | ZW140-5 | 3 | 1* | 60 | 1* | 60 |
| Hitachi | ZW140-5 HL | 2.1 | 1* | 60 | 1* | 60 |
| Hitachi | ZW140-6 | 2.7 | 1* | 60 | 1* | 60 |
| Hitachi | ZW140-6 HL | 2.7 | 1* | 65 | 1* | 60 |
| Hitachi | ZW150 | 3 | 1* | 60 | 1* | 60 |
| Hitachi | ZW150 HL | 2.6 | 1* | 60 | 1* | 60 |
| Hitachi | ZW150-5 | 3.3 | 1* | 65 | 1* | 60 |
| Hitachi | ZW150-5 HL | 2.6 | 1* | 60 | 1* | 60 |
| Hitachi | ZW150-6 | 3.1 | 1* | 65 | 1* | 60 |
| Hitachi | ZW150-6 HL | 3.1 | 1* | 70 | 1* | 60 |
| Hitachi | ZW150PL-6 | 2.7 | 1* | 60 | 1* | 60 |
| Hitachi | ZW180 | 3.6 | 1* | 75 | 1* | 60 |
| Hitachi | ZW180 HL | 3.1 | 1* | 75 | 1* | 60 |
| Hitachi | ZW180-5 | 3.7 | 1* | 75 | 1* | 60 |
| Hitachi | ZW180-5 HL | 3.1 | 1* | 75 | 1* | 60 |
| Hitachi | ZW180-6 | 3.7 | 1* | 75 | 1* | 60 |
| Hitachi | ZW180-6 HL | 3.7 | 1* | 80 | 1* | 60 |
| Hyundai | HL25 | 3.5 | 1* | 80 | 1* | 60 |
| Hyundai | HL740-7A | 2.7 | 1* | 60 | 1* | 60 |
| Hyundai | HL740TM-7A | 2.6 | 1* | 60 | 1* | 60 |
| Hyundai | HL740XTD-7A | 2.7 | 1* | 60 | 1* | 60 |
| Hyundai | HL740-9A | 3 | 1* | 70 | 1* | 60 |
| Hyundai | HL740XTD-9A | 3 | 1* | 70 | 1* | 60 |
| Hyundai | HL740TM-9A | 3 | 1* | 75 | 1* | 60 |
| Hyundai | HL750 | 3 | 1* | 65 | 1* | 60 |
| Hyundai | HL757-7A | 3.5 | 1* | 75 | 1* | 60 |
| Hyundai | HL757TM-7A | 3.3 | 1* | 80 | 1* | 60 |
| Hyundai | HL757XTD-7A | 3.5 | 1* | 80 | 1* | 60 |
| Hyundai | HL757-9A | 3.7 | 1* | 80 | 1* | 60 |
| Hyundai | HL757XTD-9A | 3.7 | 1* | 85 | 1* | 60 |
| Hyundai | HL757TM-9A | 3.5 | 1* | 85 | 1* | 60 |
| Hyundai | HL760-9A | 4.3 | 2* | CT | 1* | 60 |
| Hyundai | HL760XTD-9A | 4.3 | 2* | CT | 1* | 60 |
| Hyundai | HL940 | 3 | 1* | 65 | 1* | 60 |
| Hyundai | HL940 XT | 3 | 1* | 70 | 1* | 60 |
| Hyundai | HL955 | 3.1 | 1* | 70 | 1* | 60 |
| Hyundai | HL955 XTD | 3.1 | 1* | 75 | 1* | 60 |
| Hyundai | HL960 | 3.8 | 1* | 90 | 1* | 60 |
| Hyundai | HL960 XT | 3.8 | 1* | 90 | 1* | 60 |
| JCB | 417HT | 2 | 1* | 60 | 1* | 60 |
| JCB | 417HT HL | 2 | 1* | 60 | 1* | 60 |
| JCB | 417HT SHL | 2 | 1* | 60 | 1* | 60 |
| JCB | 426HT | 2.5 | 1* | 60 | 1* | 60 |
| JCB | 426HT | 2.75 | 1* | 65 | 1* | 60 |
| JCB | 426ZX | 2.5 | 1* | 60 | 1* | 60 |
| JCB | 426ZX | 2.75 | 1* | 60 | 1* | 60 |
| JCB | 436HT | 3.5 | 1* | 75 | 1* | 60 |
| JCB | 436ZX | 3.5 | 1* | 75 | 1* | 60 |
| JCB | 456HT | 4.6 | 2* | CT | 1* | 70 |
| Kawasaki | 62Z7 | 2.75 | 1* | 60 | 1* | 60 |
| Kawasaki | 62Z7 HL | 2.75 | 1* | 60 | 1* | 60 |
| Kawasaki | 65ZV-2 | 3 | 1* | 60 | 1* | 60 |
| Kawasaki | 65TMV-2 | 2.5 | 1* | 60 | 1* | 60 |
| Kawasaki | 67Z7 | 3.1 | 1* | 65 | 1* | 60 |
| Kawasaki | 67Z7 HL | 3.1 | 1* | 65 | 1* | 60 |
| Kawasaki | 70Z | 3 | 1* | 65 | 1* | 60 |
| Kawasaki | 70ZII | 3 | 1* | 65 | 1* | 60 |
| Kawasaki | 70ZIII | 3.25 | 1* | 65 | 1* | 60 |
| Kawasaki | 70ZIV | 3.25 | 1* | 70 | 1* | 60 |
| Kawasaki | 70ZIV-2 | 3.5 | 1* | 70 | 1* | 60 |
| Kawasaki | 70ZV-2 | 3.5 | 1* | 70 | 1* | 60 |
| Kawasaki | 70TMV-2 | 3.4 | 1* | 80 | 1* | 60 |
| Kawasaki | 70Z7 | 3.7 | 1* | 75 | 1* | 60 |

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## 20.5R25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Kawasaki | 70Z7 HL | 3.7 | 1* | 80 | 1* | 60 |
| Kawasaki | 80ZV-2 | 4.2 | 1* | 90 | 1* | 60 |
| Komatsu | WA200-5 | 2.6 | 1* | 60 | 1* | 60 |
| Komatsu | WA200-6 | 2.6 | 1* | 60 | 1* | 60 |
| Komatsu | WA200PZ-6 | 2.5 | 1* | 60 | 1* | 60 |
| Komatsu | WA200-7 | 2.6 | 1* | 60 | 1* | 60 |
| Komatsu | WA200-8 | 2.6 | 1* | 60 | 1* | 60 |
| Komatsu | WA250-1 | 3 | 1* | 60 | 1* | 60 |
| Komatsu | WA250-3 | 3.5 | 1* | 65 | 1* | 60 |
| Komatsu | WA250-3 PTC | 3 | 1* | 65 | 1* | 60 |
| Komatsu | WA250-5 | 3 | 1* | 60 | 1* | 60 |
| Komatsu | WA250-6 | 3 | 1* | 60 | 1* | 60 |
| Komatsu | WA250PZ-6 | 3 | 1* | 65 | 1* | 60 |
| Komatsu | WA270-7 | 3 | 1* | 65 | 1* | 60 |
| Komatsu | WA270-8 | 3 | 1* | 65 | 1* | 60 |
| Komatsu | WA320-1 | 3.25 | 1* | 70 | 1* | 60 |
| Komatsu | WA320-3 | 4.2 | 1* | 80 | 1* | 60 |
| Komatsu | WA320-6 | 3.7 | 1* | 75 | 1* | 60 |
| Komatsu | WA320PZ-6 | 3.5 | 1* | 80 | 1* | 60 |
| Komatsu | WA320-7 | 3.7 | 1* | 80 | 1* | 60 |
| Komatsu | WA320-8 | 3.7 | 1* | 80 | 1* | 60 |
| Komatsu Dresser | 520CH | 2.5 | 1* | 60 | 1* | 60 |
| Komatsu Dresser | 525 | 2.7 | 1* | 60 | 1* | 60 |
| Komatsu Dresser | 530 | 3 | 1* | 65 | 1* | 60 |
| Komatsu Dresser | 530C | 3 | 1* | 65 | 1* | 60 |
| Komatsu Dresser | 532 | 3.2 | 1* | 70 | 1* | 60 |
| Liebherr | L538 Z-bar | 3.4 | 1* | 70 | 1* | 60 |
| Liebherr | L538 | 3 | 1* | 65 | 1* | 60 |
| Liebherr | L538 HL | 3 | 1* | 70 | 1* | 60 |
| Liebherr | L542 Z-bar | 3.7 | 1* | 75 | 1* | 60 |
| Liebherr | L542 | 3.3 | 1* | 70 | 1* | 60 |
| Liebherr | L542 HL | 3.3 | 1* | 75 | 1* | 60 |
| Liebherr | L546 Z-bar | 3.6 | 1* | 75 | 1* | 60 |
| Liebherr | L546 | 3.25 | 1* | 70 | 1* | 60 |
| Liebherr | L546 HL | 3.25 | 1* | 75 | 1* | 60 |
| New Holland | W170B | 3 | 1* | 65 | 1* | 60 |
| New Holland | W170B TC/LR | 3 | 1* | 65 | 1* | 60 |
| Terex | 55C | 3 | 1* | 65 | 1* | 60 |
| Terex | TL210 | 4.6 | 1* | 85 | 1* | 60 |
| Terex | TL260 | 5.9 | 2* | CT | 1* | 70 |
| Volvo | L60F | 2.7 | 1* | 60 | 1* | 60 |
| Volvo | L60G | 2.75 | 1* | 60 | 1* | 60 |
| Volvo | L60H | 2.75 | 1* | 60 | 1* | 60 |
| Volvo | L70B | 2.1 | 1* | 60 | 1* | 60 |
| Volvo | L70C | 2.5 | 1* | 60 | 1* | 60 |
| Volvo | L70D | 2.5 | 1* | 60 | 1* | 60 |
| Volvo | L70F | 3 | 1* | 65 | 1* | 60 |
| Volvo | L70G | 3 | 1* | 65 | 1* | 60 |
| Volvo | L70H | 3 | 1* | 70 | 1* | 60 |
| Volvo | L90B | 3 | 1* | 65 | 1* | 60 |
| Volvo | L90C | 3.5 | 1* | 75 | 1* | 60 |
| Volvo | L90D | 3.5 | 1* | 80 | 1* | 60 |
| Volvo | L90E | 3.25 | 1* | 75 | 1* | 60 |
| Volvo | L90F | 3.5 | 1* | 80 | 1* | 60 |
| Volvo | L90G | 3.25 | 1* | 75 | 1* | 60 |
| Volvo | L90H | 3.25 | 1* | 75 | 1* | 60 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 23.5R25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 924K | 2.5 | 1* | 60 | 1* | 60 |
| Caterpillar | 926M | 2.5 | 1* | 60 | 1* | 60 |
| Caterpillar | 930K | 2.75 | 1* | 60 | 1* | 60 |
| Caterpillar | 930M | 2.75 | 1* | 60 | 1* | 60 |
| Caterpillar | 938K | 3.25 | 1* | 60 | 1* | 60 |
| Caterpillar | 938M | 3.25 | 1* | 60 | 1* | 60 |
| Caterpillar | 950F TC | 4 | 1* | 70 | 1* | 60 |
| Caterpillar | 950E | 4 | 1* | 70 | 1* | 60 |
| Caterpillar | 950F-II | 4 | 1* | 70 | 1* | 60 |
| Caterpillar | 950G | 3.9 | 1* | 70 | 1* | 60 |
| Caterpillar | 950GC | 4 | 1* | 75 | 1* | 60 |
| Caterpillar | 950G -II | 2.7 | 1* | 60 | 1* | 60 |
| Caterpillar | 950H | 4 | 1* | 70 | 1* | 60 |
| Caterpillar | 950K | 4 | 1* | 65 | 1* | 60 |
| Caterpillar | 950L | 7.5 | 1* | 70 | 1* | 60 |
| Caterpillar | 950M | 4.5 | 1* | 80 | 1* | 60 |
| Caterpillar | 960F | 4.5 | 1* | 80 | 1* | 60 |
| Caterpillar | 962G | 4.25 | 1* | 75 | 1* | 60 |
| Caterpillar | 962H | 4.25 | 1* | 75 | 1* | 60 |
| Caterpillar | 962K | 4.4 | 1* | 70 | 1* | 60 |
| Caterpillar | 962L | 3.9 | 1* | 70 | 1* | 60 |
| Caterpillar | 962M | 4.7 | 1* | 85 | 1* | 60 |
| Caterpillar | 966C | 4 | 1* | 70 | 1* | 60 |
| Caterpillar | 966D | 4.25 | 1* | 80 | 1* | 60 |
| Caterpillar | IT62H | 4.25 | 1* | 75 | 1* | 60 |
| Case | 821 | 3.5 | 1* | 60 | 1* | 60 |
| Case | 821B | 3.5 | 1* | 60 | 1* | 60 |
| Case | 821C | 3.5 | 1* | 60 | 1* | 60 |
| Case | 821E | 4.5 | 1* | 70 | 1* | 60 |
| Case | 821E XR | 4.5 | 1* | 75 | 1* | 60 |
| Case | 821F | 3.5 | 1* | 65 | 1* | 60 |
| Case | 821F XR | 3.5 | 1* | 65 | 1* | 60 |
| Case | 821G XR | 3.2 | 1* | 70 | 1* | 60 |
| Case | 821G XR | 3.5 | 1* | 65 | 1* | 60 |
| Case | 821G XR | 4.25 | 1* | 75 | 1* | 60 |
| Case | 821G Z-Bar | 3.2 | 1* | 60 | 1* | 60 |
| Case | 821G Z-Bar | 3.5 | 1* | 65 | 1* | 60 |
| Case | 821G Z-Bar | 4.25 | 1* | 70 | 1* | 60 |
| Case | 921F | 4.75 | 1* | 80 | 1* | 60 |
| Case | 921F XR | 4.75 | 1* | 85 | 1* | 60 |
| Case | 921G XR | 3.8 | 1* | 75 | 1* | 60 |
| Case | 921G XR | 4 | 1* | 80 | 1* | 60 |
| Case | 921G XR | 4.6 | 1* | 80 | 1* | 60 |
| Case | 921G Z-Bar | 3.8 | 1* | 70 | 1* | 60 |
| Case | 921G Z-Bar | 4 | 1* | 75 | 1* | 60 |
| Case | 921G Z-Bar | 4.6 | 1* | 80 | 1* | 60 |
| Case | W36 | 4 | 1* | 65 | 1* | 60 |
| Daewoo | Mega 300 | 3.8 | 1* | 65 | 1* | 60 |
| Daewoo | Mega 300-III | 2.9 | 1* | 60 | 1* | 60 |
| Deere | 644D | 3.2 | 1* | 60 | 1* | 60 |
| Deere | 644E | 3.2 | 1* | 60 | 1* | 60 |
| Deere | 644G | 4 | 1* | 65 | 1* | 60 |
| Deere | 644H | 4.25 | 1* | 70 | 1* | 60 |
| Deere | 644H-HL | 4.25 | 1* | 70 | 1* | 60 |
| Deere | 644H-MH | 4.5 | 1* | 70 | 1* | 60 |
| Deere | 644H-WH | 6 | 1* | 90 | 1* | 60 |
| Deere | 644K | 4.25 | 1* | 70 | 1* | 60 |
| Deere | 644K-HL | 4.25 | 1* | 75 | 1* | 60 |
| Deere | 644K-WH | 5 | 1* | 85 | 1* | 60 |
| Deere | 724J | 4.75 | 1* | 75 | 1* | 60 |
| Deere | 724J-HL | 4.25 | 1* | 75 | 1* | 60 |
| Deere | 724K | 4.75 | 1* | 75 | 1* | 60 |
| Deere | 724K-HL | 4.25 | 1* | 75 | 1* | 60 |
| Doosan | DL300 | 4.2 | 1* | 70 | 1* | 60 |
| Doosan | DL300-5 | 4.2 | 1* | 70 | 1* | 60 |
| Doosan | DL300-5 HL | 4.2 | 1* | 75 | 1* | 60 |
| Doosan | DL350-5 | 4.8 | 1* | 80 | 1* | 60 |
| Doosan | DL350-5 HL | 4.8 | 1* | 85 | 1* | 60 |
| Fiatallis | FR160 | 3.6 | 1* | 60 | 1* | 60 |
| Fiatallis | FR160-2 | 4 | 1* | 65 | 1* | 60 |
| Fiatallis | FR180 | 4 | 1* | 65 | 1* | 60 |
| Fiatallis | FR180-2 | 4 | 1* | 65 | 1* | 60 |
| Fiatallis | FR20 | 4.5 | 1* | 75 | 1* | 60 |
| Fiatallis | FR20B | 4.6 | 1* | 80 | 1* | 60 |
| Fiat Hitachi | W190 | 3.3 | 1* | 60 | 1* | 60 |
| Fiat Hitachi | W230 | 4.6 | 1* | 75 | 1* | 60 |
| Fiat Hitachi | FR160-2 | 4 | 1* | 65 | 1* | 60 |
| Hitachi | ZW180-6 | 3.7 | 1* | 60 | 1* | 60 |
| Hitachi | ZW180-6 HL | 3.7 | 1* | 65 | 1* | 60 |
| Hitachi | ZW220 | 4.2 | 1* | 70 | 1* | 60 |
| Hitachi | ZW220 HL | 3.5 | 1* | 65 | 1* | 60 |
| Hitachi | ZW220-5 | 4.5 | 1* | 75 | 1* | 60 |
| Hitachi | ZW220-5 HL | 3.5 | 1* | 65 | 1* | 60 |
| Hitachi | ZW220-6 | 4.2 | 1* | 70 | 1* | 60 |
| Hitachi | ZW220-6 HL | 4.2 | 1* | 75 | 1* | 60 |
| Hitachi | ZW250 | 4.5 | 1* | 75 | 1* | 60 |
| Hitachi | ZW250 HL | 4 | 1* | 75 | 1* | 60 |
| Hitachi | ZW250-5 | 5.2 | 1* | 85 | 1* | 60 |
| Hitachi | ZW250-5 HL | 4 | 1* | 75 | 1* | 60 |
| Hitachi | ZW250-6 | 4.8 | 1* | 80 | 1* | 60 |

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## 23.5R25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Hitachi | ZW250-6 HL | 4.8 | 1* | 85 | 1* | 60 |
| Hyundai | HL760 | 4 | 1* | 70 | 1* | 60 |
| Hyundai | HL760-7A | 4 | 1* | 70 | 1* | 60 |
| Hyundai | HL760XTD-7A | 4 | 1* | 75 | 1* | 60 |
| Hyundai | HL760-9 | 4.3 | 1* | 70 | 1* | 60 |
| Hyundai | HL760XTD-9 | 4.3 | 1* | 75 | 1* | 60 |
| Hyundai | HL760-9A | 4.3 | 1* | 70 | 1* | 60 |
| Hyundai | HL760XTD-9A | 4.3 | 1* | 75 | 1* | 60 |
| Hyundai | HL770-7 | 5.2 | 1* | 90 | 1* | 60 |
| Hyundai | HL770XTD-7 | 5.2 | 2* | CT | 1* | 60 |
| Hyundai | HL770-7A | 4 | 1* | 75 | 1* | 60 |
| Hyundai | HL770XTD-7A | 4 | 1* | 80 | 1* | 60 |
| Hyundai | HL770-9 | 5.5 | 2* | CT | 1* | 60 |
| Hyundai | HL770XTD-9 | 5.5 | 2* | CT | 1* | 60 |
| Hyundai | HL770-9A | 5.5 | 2* | CT | 1* | 60 |
| Hyundai | HL770XTD-9A | 5.5 | 2* | CT | 1* | 60 |
| Hyundai | HL960 | 3.8 | 1* | 70 | 1* | 60 |
| Hyundai | HL960 XT | 3.8 | 1* | 70 | 1* | 60 |
| Hyundai | HL970 | 4.7 | 1* | 85 | 1* | 60 |
| Hyundai | HL970 XTD | 4.7 | 1* | 90 | 1* | 60 |
| Hyundai | HL35 | 4.8 | 1* | 85 | 1* | 60 |
| JCB | 456ZX | 4.3 | 1* | 75 | 1* | 60 |
| JCB | 457HT | 4.1 | 1* | 75 | 1* | 60 |
| JCB | 457HT SHL | 4.1 | 1* | 85 | 1* | 60 |
| JCB | 457ZX | 4.1 | 1* | 70 | 1* | 60 |
| JCB | 457ZX HL | 4.1 | 1* | 80 | 1* | 60 |
| Kawasaki | 70ZV-2 | 3.5 | 1* | 60 | 1* | 60 |
| Kawasaki | 70ZV-2 HL | 3.5 | 1* | 60 | 1* | 60 |
| Kawasaki | 70TMV-2 | 3.4 | 1* | 65 | 1* | 60 |
| Kawasaki | 70Z7 | 3.7 | 1* | 60 | 1* | 60 |
| Kawasaki | 70Z7 HL | 3.7 | 1* | 65 | 1* | 60 |
| Kawasaki | 80Z | 3.75 | 1* | 65 | 1* | 60 |
| Kawasaki | 80ZII | 3.75 | 1* | 65 | 1* | 60 |
| Kawasaki | 80ZIII | 3.75 | 1* | 65 | 1* | 60 |
| Kawasaki | 80ZIV | 3.75 | 1* | 65 | 1* | 60 |
| Kawasaki | 80ZIV-2 | 4 | 1* | 65 | 1* | 60 |
| Kawasaki | 80ZV-2 | 4.2 | 1* | 70 | 1* | 60 |
| Kawasaki | 80Z7 | 4.2 | 1* | 70 | 1* | 60 |
| Kawasaki | 80Z7 HL | 4.2 | 1* | 75 | 1* | 60 |
| Kawasaki | 85Z7 | 4.8 | 1* | 80 | 1* | 60 |
| Kawasaki | 85Z7 HL | 4.8 | 1* | 85 | 1* | 60 |
| Kawasaki | 90Z7 | 5.5 | 2* | CT | 1* | 60 |
| Kawasaki | 90Z7 HL | 5.5 | 2* | CT | 1* | 65 |
| Kawasaki | 90Z7B | 5.5 | 2* | CT | 1* | 60 |
| Kawasaki | 90Z7B HL | 5.5 | 2* | CT | 1* | 65 |
| Komatsu | WA380-3 | 5.25 | 1* | 80 | 1* | 60 |
| Komatsu | WA380-6 | 4.3 | 1* | 70 | 1* | 60 |
| Komatsu | WA380-7 | 4.3 | 1* | 70 | 1* | 60 |
| Komatsu | WA380-7 HL | 3.8 | 1* | 70 | 1* | 60 |
| Komatsu | WA380-8 | 4.3 | 1* | 70 | 1* | 60 |
| Komatsu | WA380-8 HL | 3.8 | 1* | 70 | 1* | 60 |
| Komatsu | WA430-6 | 4.6 | 1* | 75 | 1* | 60 |
| Komatsu Dresser | 538 | 4 | 1* | 70 | 1* | 60 |
| Komatsu Dresser | 540 | 4.5 | 1* | 70 | 1* | 60 |
| Liebherr | L550 | 4.2 | 1* | 70 | 1* | 60 |
| Liebherr | L550 HL | 3.4 | 1* | 70 | 1* | 60 |
| Liebherr | L550XP | 4.2 | 1* | 70 | 1* | 60 |
| Liebherr | L550XP HL | 3.4 | 1* | 70 | 1* | 60 |
| Liebherr | L556 | 4.7 | 1* | 75 | 1* | 60 |
| Liebherr | L556 HL | 3.7 | 1* | 70 | 1* | 60 |
| Liebherr | L556XP | 4.7 | 1* | 75 | 1* | 60 |
| Liebherr | L556XP HL | 3.7 | 1* | 75 | 1* | 60 |
| New Holland | W190B | 3.44 | 1* | 60 | 1* | 60 |
| New Holland | W190B LR | 3.44 | 1* | 65 | 1* | 60 |
| Terex | 66C | 4 | 1* | 75 | 1* | 60 |
| Terex | 70C | 4.4 | 1* | 75 | 1* | 60 |
| Terex | TL310 | 4 | 1* | 70 | 1* | 60 |
| Volvo | L110F | 4.4 | 1* | 75 | 1* | 60 |
| Volvo | L110G | 4.5 | 1* | 75 | 1* | 60 |
| Volvo | L110H | 4 | 1* | 70 | 1* | 60 |
| Volvo | L120B | 3.9 | 1* | 60 | 1* | 60 |
| Volvo | L120C | 4.7 | 1* | 75 | 1* | 60 |
| Volvo | L120D | 4.7 | 1* | 80 | 1* | 60 |
| Volvo | L120F | 4.7 | 1* | 80 | 1* | 60 |
| Volvo | L120G | 4.5 | 1* | 75 | 1* | 60 |
| Volvo | L120H | 4.25 | 1* | 75 | 1* | 60 |
| Volvo | L150 | 4.5 | 1* | 80 | 1* | 60 |
| Volvo | L150C | 5.2 | 1* | 85 | 1* | 60 |
| Volvo | L150D | 5.2 | 2* | CT | 1* | 60 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 26.5R25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 966E | 5 | 1* | 70 | 1* | 60 |
| Caterpillar | 966F | 5 | 1* | 70 | 1* | 60 |
| Caterpillar | 966F-II | 5 | 1* | 70 | 1* | 60 |
| Caterpillar | 966G | 4.75 | 1* | 70 | 1* | 60 |
| Caterpillar | 966H | 5.5 | 1* | 75 | 1* | 60 |
| Caterpillar | 966H | 5.75 | 1* | 75 | 1* | 60 |
| Caterpillar | 966K | 5.5 | 1* | 80 | 1* | 60 |
| Caterpillar | 966L | 5.5 | 1* | 75 | 1* | 60 |
| Caterpillar | 966M | 5.5 | 1* | 75 | 1* | 60 |
| Caterpillar | 966M XE | 5.5 | 1* | 75 | 1* | 60 |
| Caterpillar | 970F | 5.25 | 1* | 75 | 1* | 60 |
| Caterpillar | 972G | 5.4 | 1* | 75 | 1* | 60 |
| Caterpillar | 972H | 5.5 | 1* | 75 | 1* | 60 |
| Caterpillar | 972K | 5.5 | 1* | 80 | 1* | 60 |
| Caterpillar | 972L | 5.5 | 1* | 80 | 1* | 60 |
| Caterpillar | 972M | 6.3 | 1* | 85 | 1* | 60 |
| Caterpillar | 972M XE | 6 | 1* | 80 | 1* | 60 |
| Case | 921 | 4.75 | 1* | 65 | 1* | 60 |
| Case | 921B | 4.75 | 1* | 65 | 1* | 60 |
| Case | 921C | 4.75 | 1* | 65 | 1* | 60 |
| Case | 921E | 5.75 | 1* | 75 | 1* | 60 |
| Case | 921E XR | 5.75 | 1* | 80 | 1* | 60 |
| Case | 921F | 4.75 | 1* | 65 | 1* | 60 |
| Case | 921F XR | 4.75 | 1* | 65 | 1* | 60 |
| Case | 1021G Z-Bar | 4.75 | 1* | 70 | 1* | 60 |
| Case | 1021G Z-Bar | 4.6 | 1* | 70 | 1* | 60 |
| Case | 1021G Z-Bar | 5.5 | 1* | 80 | 1* | 60 |
| Case | 1021G XR | 4.75 | 1* | 75 | 1* | 60 |
| Case | 1021G XR | 4.6 | 1* | 75 | 1* | 60 |
| Case | 1021G XR | 5.5 | 1* | 85 | 1* | 60 |
| Case | 1121F Z-bar | 5.25 | 1* | 75 | 1* | 60 |
| Case | 1121F Z-bar | 6.25 | 1* | 85 | 1* | 60 |
| Case | 1121F XR | 5.25 | 1* | 80 | 1* | 60 |
| Case | 1121F XR | 6.25 | 2* | CT | 1* | 60 |
| Case | 1121G Z-Bar | 5.25 | 1* | 80 | 1* | 60 |
| Case | 1121G Z-Bar | 5.1 | 1* | 80 | 1* | 60 |
| Case | 1121G Z-Bar | 6.25 | 1* | 90 | 1* | 60 |
| Case | 1121G XR | 5.25 | 1* | 85 | 1* | 60 |
| Case | 1121G XR | 5.1 | 1* | 80 | 1* | 60 |
| Case | 1121G XR | 6.25 | 2* | CT | 1* | 60 |
| Daewoo | Mega 400 | 5.1 | 1* | 70 | 1* | 60 |
| Daewoo | Mega 400-III | 3.9 | 1* | 65 | 1* | 60 |
| Deere | 744E | 5 | 1* | 70 | 1* | 60 |
| Deere | 744H | 5.25 | 1* | 70 | 1* | 60 |
| Deere | 744H-HL | 4.5 | 1* | 70 | 1* | 60 |
| Deere | 744H-MH | 5.75 | 1* | 80 | 1* | 60 |
| Deere | 744J | 5.25 | 1* | 75 | 1* | 60 |
| Deere | 744J HL | 5.25 | 1* | 80 | 1* | 60 |
| Deere | 744K | 5.25 | 1* | 75 | 1* | 60 |
| Deere | 744K-HL | 5.25 | 1* | 80 | 1* | 60 |
| Deere | 744K-II | 5.25 | 1* | 75 | 1* | 60 |
| Deere | 744K-II HL | 5.25 | 1* | 80 | 1* | 60 |
| Deere | 744L | 5.25 | 1* | 75 | 1* | 60 |
| Deere | 744L HL | 5.25 | 1* | 80 | 1* | 60 |
| Deere | 824J | 6 | 1* | 85 | 1* | 60 |
| Deere | 824J HL | 5.25 | 1* | 80 | 1* | 60 |
| Deere | 824K | 6 | 1* | 85 | 1* | 60 |
| Deere | 824K-HL | 6 | 1* | 85 | 1* | 60 |
| Deere | 824K-II | 6 | 1* | 85 | 1* | 60 |
| Deere | 824K-II HL | 6 | 1* | 90 | 1* | 60 |
| Deere | 824L | 6 | 1* | 85 | 1* | 60 |
| Deere | 824L HL | 6 | 2* | CT | 1* | 60 |
| Deere | 844 | 6 | 1* | 80 | 1* | 60 |
| Doosan | DL400 | 5.1 | 1* | 70 | 1* | 60 |
| Doosan | DL420-5 | 5.5 | 1* | 75 | 1* | 60 |
| Doosan | DL420-5 HL | 5.5 | 1* | 80 | 1* | 60 |
| Doosan | DL450 | 6.3 | 1* | 85 | 1* | 60 |
| Doosan | DL450-3 | 5.88 | 1* | 80 | 1* | 60 |
| Doosan | DL450-5 | 6.3 | 1* | 85 | 1* | 60 |
| Doosan | DL450-5 HL | 6.3 | 1* | 85 | 1* | 60 |
| Fiatallis | FR220 | 5.1 | 1* | 70 | 1* | 60 |
| Fiatallis | FR220-2 | 5 | 1* | 70 | 1* | 60 |
| Fiat Hitachi | W270 | 5.2 | 1* | 70 | 1* | 60 |
| Fiat Hitachi | FR220-2 | 5 | 1* | 70 | 1* | 60 |
| Furukawa | FL330-I | 4.3 | 1* | 60 | 1* | 60 |
| Hitachi | ZW250-6 | 4.8 | 1* | 65 | 1* | 60 |
| Hitachi | ZW250-6 HL | 4.8 | 1* | 70 | 1* | 60 |
| Hitachi | ZW310 | 5.25 | 1* | 70 | 1* | 60 |
| Hitachi | ZW310 HL | 4.75 | 1* | 70 | 1* | 60 |
| Hitachi | ZW310-5 | 5.9 | 1* | 80 | 1* | 60 |
| Hitachi | ZW310-5 HL | 5.25 | 1* | 80 | 1* | 60 |
| Hitachi | ZW310-6 | 5.5 | 1* | 75 | 1* | 60 |
| Hitachi | ZW310-6 HL | 5.5 | 1* | 80 | 1* | 60 |
| Hitachi | ZW330-5 | 6.5 | 1* | 90 | 1* | 60 |
| Hitachi | ZW330-5 HL | 6 | 1* | 90 | 1* | 60 |
| Hyundai | HL770 | 5 | 1* | 75 | 1* | 60 |
| Hyundai | HL770-7 | 5.2 | 1* | 70 | 1* | 60 |
| Hyundai | HL770XTD-7 | 5.2 | 1* | 75 | 1* | 60 |
| Hyundai | HL770-7A | 5.2 | 1* | 70 | 1* | 60 |
| Hyundai | HL770XTD-7A | 5.2 | 1* | 75 | 1* | 60 |

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## 26.5R25 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Hyundai | HL770-9 | 5.5 | 1* | 75 | 1* | 60 |
| Hyundai | HL770XTD-9 | 5.5 | 1* | 80 | 1* | 60 |
| Hyundai | HL770-9A | 5.5 | 1* | 75 | 1* | 60 |
| Hyundai | HL770XTD-9A | 5.5 | 1* | 80 | 1* | 60 |
| Hyundai | HL780-7A | 6.7 | 2* | CT | 1* | 60 |
| Hyundai | HL780XTD-7A | 6.7 | 2* | CT | 1* | 60 |
| Hyundai | HL780-9 | 7.1 | 2* | CT | 1* | 60 |
| Hyundai | HL780XTD-9 | 7.1 | 2* | CT | 1* | 65 |
| Hyundai | HL780-9A | 7.1 | 2* | CT | 1* | 60 |
| Hyundai | HL780XTD-9A | 7.1 | 2* | CT | 1* | 65 |
| Hyundai | HL970 | 4.7 | 1* | 70 | 1* | 60 |
| Hyundai | HL970 XTD | 4.7 | 1* | 70 | 1* | 60 |
| Hyundai | HL980 | 6.3 | 2* | CT | 1* | 60 |
| Hyundai | HL980 XTD | 6.3 | 2* | CT | 1* | 60 |
| Kawasaki | 85Z | 4.2 | 1* | 60 | 1* | 60 |
| Kawasaki | 85ZII | 4.2 | 1* | 60 | 1* | 60 |
| Kawasaki | 85ZIII | 4.3 | 1* | 65 | 1* | 60 |
| Kawasaki | 85ZIV | 4.3 | 1* | 60 | 1* | 60 |
| Kawasaki | 85ZIV-2 | 4.75 | 1* | 65 | 1* | 60 |
| Kawasaki | 85ZV-2 | 4.8 | 1* | 65 | 1* | 60 |
| Kawasaki | 85Z7 | 4.8 | 1* | 65 | 1* | 60 |
| Kawasaki | 85Z7 HL | 4.8 | 1* | 70 | 1* | 60 |
| Kawasaki | 90ZIII | 5 | 1* | 70 | 1* | 60 |
| Kawasaki | 90ZIV | 5 | 1* | 70 | 1* | 60 |
| Kawasaki | 90ZIV-2 | 5.5 | 1* | 75 | 1* | 60 |
| Kawasaki | 90ZV | 5.2 | 1* | 75 | 1* | 60 |
| Kawasaki | 90ZV | 4.25 | 1* | 65 | 1* | 60 |
| Kawasaki | 90ZV-2 | 5.2 | 1* | 70 | 1* | 60 |
| Kawasaki | 90Z7 | 5.5 | 1* | 75 | 1* | 60 |
| Kawasaki | 90Z7 HL | 5.5 | 1* | 80 | 1* | 60 |
| Kawasaki | 90Z7B | 5.5 | 1* | 75 | 1* | 60 |
| Kawasaki | 90Z7B HL | 5.5 | 1* | 80 | 1* | 60 |
| Kawasaki | 92ZV-2 | 6 | 1* | 85 | 1* | 60 |
| Kawasaki | 92Z7 | 6.3 | 1* | 85 | 1* | 60 |
| Kawasaki | 92Z7 HL | 6.3 | 2* | CT | 1* | 60 |
| Kawasaki | 95ZV-2 | 7 | 2* | CT | 1* | 65 |
| Komatsu | WA420-1 | 4.75 | 1* | 65 | 1* | 60 |
| Komatsu | WA420-3 | 6 | 1* | 70 | 1* | 60 |
| Komatsu | WA430-6 | 4.6 | 1* | 60 | 1* | 60 |
| Komatsu | WA450-2 | 5.5 | 1* | 75 | 1* | 60 |
| Komatsu | WA450-3 | 6.8 | 1* | 85 | 1* | 60 |
| Komatsu | WA470-6 | 5.5 | 1* | 75 | 1* | 60 |
| Komatsu | WA470-7 | 5.5 | 1* | 75 | 1* | 60 |
| Komatsu | WA470-8 | 5 | 1* | 75 | 1* | 60 |
| Komatsu | WA470-8 HL | 5 | 1* | 75 | 1* | 60 |
| Komatsu | WA480-6 | 6 | 1* | 80 | 1* | 60 |
| Komatsu | WA480-8 | 6 | 1* | 85 | 1* | 60 |
| Komatsu Dresser | 542 | 4.75 | 1* | 65 | 1* | 60 |
| Komatsu Dresser | 545 | 5.5 | 1* | 80 | 1* | 60 |
| Komatsu Dresser | 550 | 5.25 | 1* | 75 | 1* | 60 |
| Liebherr | L566 | 5.2 | 1* | 70 | 1* | 60 |
| Liebherr | L566 HL | 4.6 | 1* | 70 | 1* | 60 |
| Liebherr | L566 XP | 5.5 | 1* | 80 | 1* | 60 |
| Liebherr | L576 | 6.15 | 1* | 85 | 1* | 60 |
| Liebherr | L576 HL | 5.5 | 1* | 80 | 1* | 60 |
| Liebherr | L580 | 6.5 | 1* | 85 | 1* | 60 |
| Liebherr | L580 HL | 5.9 | 1* | 80 | 1* | 60 |
| Liebherr | L580 XP | 6.8 | 2* | CT | 1* | 60 |
| Terex | 80C | 5.5 | 1* | 80 | 1* | 60 |
| Volvo | L150C | 5.2 | 1* | 70 | 1* | 60 |
| Volvo | L150D | 5.2 | 1* | 75 | 1* | 60 |
| Volvo | L150F | 5.8 | 1* | 80 | 1* | 60 |
| Volvo | L150G | 6.8 | 1* | 90 | 1* | 60 |
| Volvo | L150H | 5.25 | 1* | 75 | 1* | 60 |
| Volvo | L180 | 5.5 | 1* | 75 | 1* | 60 |
| Volvo | L180C | 6 | 1* | 80 | 1* | 60 |
| Volvo | L180D | 6.3 | 1* | 85 | 1* | 60 |
| Volvo | L180F | 6.3 | 1* | 85 | 1* | 60 |
| Volvo | L180G | 7.6 | 2* | CT | 1* | 60 |
| Volvo | L180H | 5.75 | 1* | 85 | 1* | 60 |
| Volvo | L190 | 5.2 | 1* | 80 | 1* | 60 |
| Volvo | L190B | 5.2 | 1* | 80 | 1* | 60 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

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CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 29.5R25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 980C | 6.75 | 1* | 80 | 1* | 60 |
| Caterpillar | 980F | 7 | 1* | 80 | 1* | 60 |
| Caterpillar | 980F-II | 7 | 1* | 80 | 1* | 60 |
| Caterpillar | 980G | 7 | 1* | 85 | 1* | 60 |
| Caterpillar | 980H | 7.5 | 1* | 85 | 1* | 60 |
| Caterpillar | 980K | 7.5 | 1* | 85 | 1* | 60 |
| Caterpillar | 980M | 7.5 | 1* | 80 | 1* | 60 |
| Case | 1221E | 9.2 | 1* | 60 | 1* | 60 |
| Case | 1221E XR | 9.2 | 1* | 60 | 1* | 60 |
| Deere | 744J | 5.25 | 1* | 60 | 1* | 60 |
| Deere | 744J HL | 5.25 | 1* | 65 | 1* | 60 |
| Deere | 824J | 6 | 1* | 70 | 1* | 60 |
| Deere | 824J HL | 5.25 | 1* | 70 | 1* | 60 |
| Deere | 824K | 6 | 1* | 70 | 1* | 60 |
| Deere | 824K HL | 6 | 1* | 75 | 1* | 60 |
| Deere | 824K-II | 6 | 1* | 70 | 1* | 60 |
| Deere | 824K-II HL | 6 | 1* | 75 | 1* | 60 |
| Deere | 844J | 7.25 | 1* | 85 | 1* | 60 |
| Deere | 844K | 7.25 | 1* | 85 | 1* | 60 |
| Deere | 844K-II | 7.25 | 1* | 85 | 1* | 60 |
| Deere | 844K-III | 7.25 | 1* | 85 | 1* | 60 |
| Deere | 844L | 7.25 | 1* | 85 | 1* | 60 |
| Doosan | DL500 | 6.8 | 1* | 80 | 1* | 60 |
| Doosan | DL550-5 | 7.5 | 1* | 85 | 1* | 60 |
| Doosan | DL550-5 HL | 7.5 | 2* | CT | 1* | 60 |
| Furukawa | FL460 | 6 | 1* | 75 | 1* | 60 |
| Hitachi | ZW370-5 | 8.1 | 2* | CT | 1* | 60 |
| Hitachi | ZW370-5 HL | 7.3 | 2* | CT | 1* | 60 |
| Hitachi | ZW370-6 | 7.3 | 1* | 85 | 1* | 60 |
| Hitachi | ZW370-6 HL | 7.3 | 2* | CT | 1* | 60 |
| Hyundai | HL780-7A | 6.7 | 1* | 75 | 1* | 60 |
| Hyundai | HL780XTD-7A | 6.7 | 1* | 80 | 1* | 60 |
| Hyundai | HL780-9 | 7.1 | 1* | 80 | 1* | 60 |
| Hyundai | HL780XTD-9 | 7.1 | 1* | 85 | 1* | 60 |
| Hyundai | HL780-9A | 7.1 | 1* | 80 | 1* | 60 |
| Hyundai | HL780XTD-9A | 7.1 | 1* | 85 | 1* | 60 |
| Hyundai | HL980 | 6.3 | 1* | 75 | 1* | 60 |
| Hyundai | HL980 XTD | 6.3 | 1* | 80 | 1* | 60 |
| Kawasaki | 95Z | 6 | 1* | 70 | 1* | 60 |
| Kawasaki | 95ZII | 6 | 1* | 70 | 1* | 60 |
| Kawasaki | 95ZIII | 6.5 | 1* | 80 | 1* | 60 |
| Kawasaki | 95ZIV | 6.5 | 1* | 75 | 1* | 60 |
| Kawasaki | 95ZIV-2 | 7.25 | 1* | 80 | 1* | 60 |
| Kawasaki | 95ZIV-3 | 7.25 | 1* | 80 | 1* | 60 |
| Kawasaki | 95ZV-2 | 7 | 1* | 80 | 1* | 60 |
| Kawasaki | 95Z7 | 7.3 | 1* | 90 | 1* | 60 |
| Kawasaki | 95Z7 HL | 7.3 | 2* | CT | 1* | 60 |
| Komatsu | WA500-1 | 6 | 1* | 75 | 1* | 60 |
| Komatsu | WA500-3 | 7.2 | 1* | 80 | 1* | 60 |
| Komatsu | WA500-6 | 7.3 | 1* | 85 | 1* | 60 |
| Komatsu | WA500-7 | 7.3 | 1* | 85 | 1* | 60 |
| Komatsu | WA500-7 HL | 5.9 | 1* | 80 | 1* | 60 |
| Komatsu | WA500-7 SM | 5.25 | 1* | 80 | 1* | 60 |
| Komatsu | WA500-8 | 7.6 | 1* | 90 | 1* | 60 |
| Komatsu | WA500-8 HL | 5.9 | 1* | 80 | 1* | 60 |
| Komatsu Dresser | 555 | 6 | 1* | 80 | 1* | 60 |
| Komatsu Dresser | 558 | 6 | 1* | 75 | 1* | 60 |
| Liebherr | L586 | 7.85 | 1* | 90 | 1* | 60 |
| Liebherr | L586 HL | 7.2 | 1* | 85 | 1* | 60 |
| Liebherr | L586XP | 7.8 | 2* | CT | 1* | 60 |
| Volvo | L190 | 5.2 | 1* | 65 | 1* | 60 |
| Volvo | L190B | 5.2 | 1* | 65 | 1* | 60 |
| Volvo | L220D | 7 | 1* | 75 | 1* | 60 |
| Volvo | L220E | 7.1 | 1* | 85 | 1* | 60 |
| Volvo | L220F | 6.3 | 1* | 80 | 1* | 60 |
| Volvo | L220F | 7.8 | 1* | 90 | 1* | 60 |
| Volvo | L220G | 8.2 | 2* | CT | 1* | 60 |
| Volvo | L220H | 6.8 | 1* | 80 | 1* | 60 |
| Volvo | L260H | 8.4 | 2* | CT | 1* | 60 |
| Volvo | L260H HL | 7.2 | 1* | 85 | 1* | 60 |

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Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 750/65R25 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 950K | 4 | 1* | 60 | 1* | 60 |
| Caterpillar | 950M | 4.5 | 1* | 65 | 1* | 60 |
| Caterpillar | 962K | 4.5 | 1* | 65 | 1* | 60 |
| Caterpillar | 962M | 4.7 | 1* | 65 | 1* | 60 |
| Caterpillar | 966H | 4.75 | 1* | 65 | 1* | 60 |
| Caterpillar | 972H | 5.5 | 1* | 75 | 1* | 60 |
| Deere | 644K | 4.25 | 1* | 60 | 1* | 60 |
| Deere | 644K-HL | 4.25 | 1* | 60 | 1* | 60 |
| Deere | 724J | 4.75 | 1* | 60 | 1* | 60 |
| Deere | 724J-HL | 4.25 | 1* | 60 | 1* | 60 |
| Deere | 724K | 4.75 | 1* | 60 | 1* | 60 |
| Deere | 724K-HL | 4.75 | 1* | 65 | 1* | 60 |
| Hitachi | ZW250-6 | 4.8 | 1* | 65 | 1* | 60 |
| Hitachi | ZW250-6 HL | 4.8 | 1* | 65 | 1* | 60 |
| Hitachi | ZW310-6 | 5.5 | 1* | 70 | 1* | 60 |
| Hitachi | ZW310-6 HL | 5.5 | 1* | 75 | 1* | 60 |
| Kawasaki | 85Z7 | 4.8 | 1* | 65 | 1* | 60 |
| Kawasaki | 85Z7 HL | 4.8 | 1* | 65 | 1* | 60 |
| Kawasaki | 90Z7 | 5.5 | 1* | 75 | 1* | 60 |
| Kawasaki | 90Z7 HL | 5.5 | 1* | 80 | 1* | 60 |
| Kawasaki | 90Z7B | 5.5 | 1* | 70 | 1* | 60 |
| Kawasaki | 90Z7B HL | 5.5 | 1* | 75 | 1* | 60 |
| Kawasaki | 92Z7 | 6.3 | 1* | 85 | 1* | 60 |
| Kawasaki | 92Z7 HL | 6.3 | 2* | CT | 1* | 60 |
| Liebherr | L550 | 4.2 | 1* | 60 | 1* | 60 |
| Liebherr | L550 HL | 3.4 | 1* | 60 | 1* | 60 |
| Liebherr | L550XP | 4.2 | 1* | 60 | 1* | 60 |
| Liebherr | L550XP HL | 3.4 | 1* | 60 | 1* | 60 |
| Liebherr | L556 | 4.7 | 1* | 60 | 1* | 60 |
| Liebherr | L556 HL | 3.7 | 1* | 60 | 1* | 60 |
| Liebherr | L556XP | 4.7 | 1* | 60 | 1* | 60 |
| Liebherr | L556XP HL | 3.7 | 1* | 60 | 1* | 60 |
| Volvo | L110H | 4 | 1* | 60 | 1* | 60 |
| Volvo | L120H | 4.25 | 1* | 60 | 1* | 60 |

## 875/65R29 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 982M | 8 | 1* | 75 | 1* | 60 |
| Deere | 844K-II | 7.25 | 1* | 70 | 1* | 60 |
| Deere | 844K-III | 7.25 | 1* | 70 | 1* | 60 |
| Deere | 844L | 7.25 | 1* | 70 | 1* | 60 |
| Kawasaki | 95Z7 Xtreme | 7.7 | 1* | 75 | 1* | 60 |
| Volvo | L220H | 6.8 | 1* | 65 | 1* | 60 |
| Volvo | L260H | 8.4 | 1* | 75 | 1* | 60 |
| Volvo | L260H HL | 7.2 | 1* | 75 | 1* | 60 |

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Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 35/65R33 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

### PIT LOADER APPLICATION

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 986H | 6.12 | 1* | 80 | 1* | 65 |
| Caterpillar | 986H HL | 5.35 | 1* | 80 | 1* | 65 |
| Caterpillar | 986K | 6.8 | 1* | 85 | 1* | 65 |
| Caterpillar | 986K HL | 5.8 | 1* | 85 | 1* | 65 |
| Caterpillar | 988B | 8.25 | 2* | 100 | 1* | 65 |
| Caterpillar | 988F | 7.75 | 2* | 100 | 1* | 65 |
| Caterpillar | 988G | 8 | 2* | 110 | 1* | 70 |
| Caterpillar | 988H | 8.2 | 2* | 110 | 1* | 70 |
| Caterpillar | 988H | 8.33 | 2* | 110 | 1* | 70 |
| Caterpillar | 988H | 9.2 | CT | CT | 2* | 75 |
| Caterpillar | 988H HL | 8.33 | 2* | 110 | 1* | 70 |
| Caterpillar | 988K | 8.4 | 2* | 110 | 1* | 70 |
| Caterpillar | 988K HL | 8.4 | CT | CT | 1* | 75 |
| Caterpillar | 988K Steel Mill | 5.5 | 1* | 80 | 1* | 65 |
| Caterpillar | 988K Steel Mill | 6.5 | 1* | 80 | 1* | 65 |
| Caterpillar | 988K XE | 9.2 | CT | CT | 2* | 80 |
| Deere | 944K | 10 | CT | CT | 2* | 80 |
| Deere | 944K HL | 10 | CT | CT | 2* | 80 |
| Hitachi | ZW550-5 | 8.9 | 2* | 105 | 1* | 65 |
| Hitachi | ZW550-5 HL | 7.3 | 2* | 100 | 1* | 65 |
| Hitachi | ZW550-6 | 8.2 | 2* | 100 | 1* | 65 |
| Hitachi | ZW550-6 HL | 9 | 2* | 110 | 1* | 70 |
| Kawasaki | 110Z | 7.5 | 2* | 90 | 1* | 65 |
| Kawasaki | 110ZII | 7.5 | 2* | 90 | 1* | 65 |
| Kawasaki | 115ZIII | 7.5 | 2* | 90 | 1* | 65 |
| Kawasaki | 115ZIV | 7.5 | 2* | 95 | 1* | 65 |
| Kawasaki | 115ZIV-2 | 8.25 | 2* | 105 | 1* | 65 |
| Kawasaki | 115ZV | 7.5 | 2* | 95 | 1* | 65 |
| Kawasaki | 115ZV-2 | 8.3 | 2* | 100 | 1* | 65 |
| Kawasaki | 115ZV-2 HL | 6.5 | 1* | 90 | 1* | 65 |
| Kawasaki | 115Z7 | 8.3 | 2* | 100 | 1* | 65 |
| Kawasaki | 115Z7 HL | 9 | 2* | 110 | 1* | 70 |
| Kawasaki | 115Z7 Xtreme | 9.15 | 2* | 105 | 1* | 70 |
| Komatsu | WA600-1 | 7.1 | 1* | 85 | 1* | 65 |
| Komatsu | WA600-3 | 8 | 2* | 95 | 1* | 65 |
| Komatsu | WA600-6 | 8.4 | 2* | 110 | 1* | 70 |
| Komatsu | WA600-6 | 9.5 | CT | CT | 2* | 75 |
| Komatsu | WA600-8 | 8.4 | 2* | 110 | 1* | 70 |
| Komatsu Dresser | 568 | 7.5 | 2* | 90 | 1* | 65 |
| O&K | 7500 | 7 | 1* | 90 | 1* | 65 |
| Sandvik | LH621-10 | 10.5 | CT | CT | 1* | 75 |
| Terex | 90C | 8.5 | 2* | 100 | 1* | 65 |
| Volvo | L320 | 8 | 2* | 100 | 1* | 65 |

### YARD LOADER APPLICATION

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 986H | 6.12 | 1* | 70 | 1* | 65 |
| Caterpillar | 986H HL | 5.35 | 1* | 70 | 1* | 65 |
| Caterpillar | 986K | 6.8 | 1* | 75 | 1* | 65 |
| Caterpillar | 986K HL | 5.8 | 1* | 75 | 1* | 65 |
| Caterpillar | 988B | 8.25 | 1* | 90 | 1* | 65 |
| Caterpillar | 988F | 7.75 | 1* | 85 | 1* | 65 |
| Caterpillar | 988G | 8 | 2* | 95 | 1* | 65 |
| Caterpillar | 988H | 8.2 | 2* | 95 | 1* | 65 |
| Caterpillar | 988H | 8.33 | 2* | 95 | 1* | 65 |
| Caterpillar | 988H | 9.2 | 2* | 100 | 1* | 65 |
| Caterpillar | 988H HL | 8.33 | 2* | 95 | 1* | 65 |
| Caterpillar | 988K | 8.4 | 2* | 95 | 1* | 65 |
| Caterpillar | 988K HL | 8.4 | 2* | 100 | 1* | 65 |
| Caterpillar | 988K Steel Mill | 5.5 | 1* | 80 | 1* | 65 |
| Caterpillar | 988K Steel Mill | 6.5 | 1* | 80 | 1* | 65 |
| Caterpillar | 988K XE | 9.2 | 2* | 105 | 1* | 65 |
| Deere | 944K | 10 | 2* | 100 | 1* | 65 |
| Deere | 944K HL | 10 | 2* | 105 | 1* | 70 |
| Hitachi | ZW550-5 | 8.9 | 1* | 90 | 1* | 65 |
| Hitachi | ZW550-5 HL | 7.3 | 1* | 85 | 1* | 65 |
| Hitachi | ZW550-6 | 8.2 | 1* | 85 | 1* | 65 |
| Hitachi | ZW550-6 HL | 9 | 2* | 95 | 1* | 65 |
| Kawasaki | 110Z | 7.5 | 1* | 80 | 1* | 65 |
| Kawasaki | 110ZII | 7.5 | 1* | 80 | 1* | 65 |
| Kawasaki | 115ZIII | 7.5 | 1* | 80 | 1* | 65 |
| Kawasaki | 115ZIV | 7.5 | 1* | 85 | 1* | 65 |
| Kawasaki | 115ZIV-2 | 8.25 | 1* | 90 | 1* | 65 |
| Kawasaki | 115ZV | 7.5 | 1* | 85 | 1* | 65 |
| Kawasaki | 115ZV-2 | 8.3 | 1* | 90 | 1* | 65 |
| Kawasaki | 115ZV-2 HL | 6.5 | 1* | 80 | 1* | 65 |
| Kawasaki | 115Z7 | 8.3 | 1* | 85 | 1* | 65 |
| Kawasaki | 115Z7 HL | 9 | 2* | 95 | 1* | 65 |
| Kawasaki | 115Z7 Xtreme | 9.15 | 1* | 90 | 1* | 65 |
| Komatsu | WA600-1 | 7.1 | 1* | 75 | 1* | 65 |
| Komatsu | WA600-3 | 8 | 1* | 80 | 1* | 65 |
| Komatsu | WA600-6 | 8.4 | 2* | 95 | 1* | 65 |
| Komatsu | WA600-6 | 9.5 | 2* | 100 | 1* | 65 |
| Komatsu | WA600-8 | 8.4 | 2* | 95 | 1* | 65 |
| Komatsu Dresser | 568 | 7.5 | 1* | 80 | 1* | 65 |
| O&K | 7500 | 7 | 1* | 80 | 1* | 65 |
| Sandvik | LH621-10 | 10.5 | CT | CT | 1* | 75 |
| Terex | 90C | 8.5 | 1* | 85 | 1* | 65 |
| Volvo | L320 | 8 | 1* | 85 | 1* | 65 |

CONTINUES ON NEXT PAGE

## 35/65R33 LOADER USAGE CHART CONTINUED

For Standard Loader Service: <250 ft, < 5 mph

**PIT LOADER APPLICATION**

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Volvo | L330C | 8.6 | 2* | 105 | 1* | 70 |
| Volvo | L330D | 8.6 | 2* | 105 | 1* | 70 |
| Volvo | L330E | 8.6 | 2* | 105 | 1* | 70 |
| Volvo | L350F | 10.1 | CT | CT | 2* | 80 |
| Volvo | L350H | 9.5 | 2* | 110 | 1* | 70 |
| Volvo | L350H HL | 9.5 | CT | CT | 1* | 75 |

**YARD LOADER APPLICATION**

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Volvo | L330C | 8.6 | 2* | 90 | 1* | 65 |
| Volvo | L330D | 8.6 | 2* | 90 | 1* | 65 |
| Volvo | L330E | 8.6 | 2* | 95 | 1* | 65 |
| Volvo | L350F | 10.1 | 2* | 100 | 1* | 65 |
| Volvo | L350H | 9.5 | 2* | 95 | 1* | 65 |
| Volvo | L350H HL | 9.5 | 2* | 100 | 1* | 65 |

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CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 45/65R45 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 992B | 10 | 1* | 75 | 1* | 65 |
| Caterpillar | 992C | 12.5 | 2* | 100 | 1* | 65 |
| Caterpillar | 992C HL | 12.5 | 2* | 105 | 1* | 70 |
| Caterpillar | 992D | 14 | 2* | 105 | 1* | 65 |
| Caterpillar | 992D HL | 12 | 2* | 100 | 1* | 65 |
| Caterpillar | 992G | 15 | 2* | 110 | 1* | 70 |
| Caterpillar | 992G HL | 15 | CT | CT | 1* | 75 |
| Caterpillar | 992K | 14 | 2* | 110 | 1* | 70 |
| Caterpillar | 992K HL | 14 | 2* | 105 | 1* | 65 |
| Komatsu | WA800-2 | 13.7 | 2* | 100 | 1* | 65 |
| Komatsu | WA800-3 | 14.4 | 2* | 105 | 1* | 70 |
| Komatsu | WA900-3 | 17 | CT | CT | 2* | 85 |
| Komatsu | WA900-3 HL | 15 | CT | CT | 2* | 80 |
| Komatsu | WA900-8 | 17 | CT | CT | 2* | 85 |
| Komatsu | WA900-8 HL | 15 | CT | CT | 2* | 80 |
| LeTourneau | L-950-2 | 18 | 2* | 105 | 1* | 70 |
| LeTourneau | L-950-2 HL | 16 | 2* | 105 | 1* | 65 |
| LeTourneau | L1000 | 17 | CT | CT | 2* | 75 |

## 50/65R51 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 993K | 17 | CT | CT | 1* | 75 |
| Caterpillar | 993K HL | 17 | CT | CT | 2* | 80 |
| Caterpillar | 993K HL | 19 | CT | CT | 2* | 85 |
| Letourneau | L-1100 | 22 | CT | CT | 1* | 75 |
| Letourneau | L-1100 HL | 20 | 2* | 110 | 1* | 70 |
| Letourneau (P&H) | L-1150-2 | 25 | CT | CT | 2* | 80 |
| Letourneau (P&H) | L-1150-2 HL | 23 | CT | CT | 2* | 80 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

## 58/80R63 LOADER USAGE CHART

For Standard Loader Service: <250 ft, < 5 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 994F STD (Tier 1) | 25 | 2* | 110 | 2* | 80 |
| Caterpillar | 994F HL (Tier 1) | 22.5 | 2* | 110 | 2* | 80 |
| Caterpillar | 994F EHL (Tier 1) | 22.5 | 2* | 115 | 2* | 80 |
| Caterpillar | 994F SHL (Tier 1) | 22.5 | 2* | 115 | 2* | 80 |
| Caterpillar | 994H STD | 25 | 2* | 105 | 2* | 80 |
| Caterpillar | 994H HL | 22.5 | 2* | 110 | 2* | 80 |
| Caterpillar | 994H EHL | 22.5 | 2* | 115 | 2* | 80 |
| Caterpillar | 994H SHL | 22.5 | 2* | 120 | 2* | 80 |
| Caterpillar | 994K | 25 | 2* | 120 | 2* | 80 |
| Caterpillar | 994K HL | 22.5 | 2* | 120 | 2* | 80 |
| Komatsu | WA1200-3 | 26.2 | 2* | 110 | 2* | 80 |
| Komatsu | WA1200-3 HL | 23.5 | 2* | 110 | 2* | 80 |
| Komatsu | WA1200-6 Rock | 26.2 | 2* | 115 | 2* | 80 |
| Komatsu | WA1200-6 Coal | 45.8 | 2* | 115 | 2* | 80 |
| Komatsu | WA1200-6 HL Rock | 23.5 | 2* | 115 | 2* | 80 |
| Komatsu | WA1200-6 HL Coal | 45.8 | 2* | 115 | 2* | 80 |
| Letourneau (P&H) | L-1850 STD | 40 | 2* | 120 | 2* | 80 |
| Letourneau (P&H) | L-1850 HL | 30 | 2* | 120 | 2* | 80 |

**For service under chains, or load and carry operations, contact Titan Technical Services.**

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
HL - High Lift, extended booms, etc.

# RADIAL RIGID DUMP TRUCK

## 18.00R33 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Astra | RD 40C | 44 | 2* | 115 | 2* | 115 |
| Caterpillar | 769B | 35 | 2* | 95 | 2* | 90 |
| Caterpillar | 769C | 40 | 2* | 110 | 2* | 110 |
| Caterpillar | 769D | 35 | 2* | 110 | 2* | 110 |
| Caterpillar | 770 | 40 | CT | CT | 2* | 115 |
| Caterpillar | 770F | 49 | 2* | 115 | 2* | 115 |
| Caterpillar | 770G | 50 | 2* | 115 | 2* | CT |
| Caterpillar | 771C Quarry | 44 | CT | CT | CT | CT |
| Caterpillar | 771D | 45 | CT | CT | CT | CT |
| Euclid | R35 | 35 | 2* | 105 | 2* | 105 |
| Euclid | R36 | 40 | 2* | 95 | 2* | 100 |
| Euclid | R40 | 42 | 2* | 110 | 2* | 110 |
| Euclid | R40C | 42 | 2* | 115 | 2* | 115 |
| Hitachi | EH650 | 40 | 2* | 95 | 2* | 100 |
| Hitachi | EH700 | 42 | 2* | 115 | 2* | 115 |
| Hitachi | EH750 | 43 | CT | CT | CT | CT |
| Hitachi | EH750-3 | 46 | CT | CT | CT | CT |
| Komatsu | HD325-3 | 35 | 2* | 85 | 2* | 95 |
| Komatsu | HD325-5 | 35 | 2* | 85 | 2* | 95 |
| Komatsu | HD325-6 Quarry | 44 | 2* | 115 | CT | CT |
| Komatsu | HD325-6 4WD | 35 | 2* | 100 | 2* | 100 |
| Komatsu | HD325-6 | 44 | 2* | 105 | 2* | 115 |
| Komatsu | HD325-7 | 40 | 2* | 110 | 2* | 115 |
| Komatsu | HD325-8 | 40 | 2* | CT | 2* | 115 |
| Komatsu | HD405-7 | 45 | CT | CT | CT | CT |
| Komatsu Haulpak | 140M | 40 | 2* | 110 | 2* | 110 |
| Perlini | DP 405 WD | 44 | 2* | 115 | 2* | 115 |
| Terex | 3340 | 40 | CT | CT | 2* | 115 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 24.00R35 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 773 | 50 | 2* | 75 | 2* | 70 |
| Caterpillar | 773B | 58 | 2* | 85 | 2* | 85 |
| Caterpillar | 773D | 50 | 2* | 85 | 2* | 85 |
| Caterpillar | 773E | 60 | 2* | 90 | 2* | 90 |
| Caterpillar | 773F | 60 | 2* | 100 | 2* | 90 |
| Caterpillar | 773G | 54 | 2* | 85 | 2* | 85 |
| Caterpillar | 773G-4T | 69 | 2* | 105 | 2* | 95 |
| Caterpillar | 775B Quarry | 65 | 2* | 95 | 2* | 95 |
| Caterpillar | 775D | 65 | 2* | 95 | 2* | 105 |
| Caterpillar | 775E | 70 | 2* | 95 | 2* | 110 |
| Caterpillar | 775F | 70 | 2* | 105 | 2* | 105 |
| Caterpillar | 775G | 70 | 2* | 110 | 2* | 105 |
| Caterpillar | 775G-4T | 79 | 2* | 110 | 2* | 105 |
| Dart | 2085 | 85 | 1* | 65 | 2* | 75 |
| Hitachi | EH1000 | 66 | 2* | 95 | 2* | 95 |
| Hitachi | EH1100 | 72 | 2* | 100 | 2* | 105 |
| Hitachi | EH1100-3 | 72 | 2* | 100 | 2* | 110 |
| Hitachi | EH1100-5 | 70 | 2* | 105 | 2* | 105 |
| Euclid | R50 | 58 | 2* | 80 | 2* | 80 |
| Euclid | R60 | 63 | 2* | 85 | 2* | 90 |
| Euclid | R60C | 66 | 2* | 105 | 2* | 90 |
| Euclid | R65 | 69 | 2* | 95 | 2* | 95 |
| Euclid | R65C | 71 | 2* | 100 | 2* | 105 |
| Euclid | R75 | 75 | 2* | 110 | 2* | 105 |
| Komatsu | HD465-3 | 51 | 2* | 70 | 2* | 75 |
| Komatsu | HD465-5 | 61 | 2* | 75 | 2* | 80 |
| Komatsu | HD465-5 Quarry | 66 | 2* | 95 | 2* | 105 |
| Komatsu | HD465-7 | 61 | 2* | 90 | 2* | 95 |
| Komatsu | HD465-8 | 61 | 2* | 115 | 2* | 110 |
| Komatsu | HD605-7 | 70 | 2* | 100 | 2* | 110 |
| Komatsu | HD605-8 | 69 | 2* | 110 | 2* | 110 |
| Komatsu-Haulpak | 210M | 60 | 2* | 85 | 2* | 85 |
| Perlini | DP705 WD | 72 | 2* | 105 | 2* | 105 |
| Terex | 3308E | 55 | 2* | 80 | 2* | 80 |
| Terex | 3309 | 55 | 2* | 90 | 2* | 90 |
| Terex | 3310E | 66 | 2* | 100 | 2* | 100 |
| Terex | TR60 | 60 | 2* | 90 | 2* | 85 |
| Terex | TR70 | 72 | 2* | 110 | 2* | 105 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 27.00R49 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 777 | 85 | 2* | 80 | 2* | 85 |
| Caterpillar | 777B | 95 | 2* | 90 | 2* | 95 |
| Caterpillar | 777C | 95 | 2* | 95 | 2* | 95 |
| Caterpillar | 777D | 100 | 2* | 105 | 2* | 105 |
| Caterpillar | 777E | 108 | 2* | 95 | 2* | 115 |
| Caterpillar | 777F | 100 | 2* | 105 | 2* | 105 |
| Caterpillar | 777G | 100 | 2* | 110 | 2* | 110 |
| Dart | 3100B | 100 | 2* | 105 | 2* | 110 |
| Euclid | R85B | 85 | 2* | 90 | 2* | 95 |
| Euclid | R90 | 96 | 2* | 95 | 2* | 95 |
| Euclid | R90C | 100 | 2* | 100 | 2* | 100 |
| Euclid | R100 | 100 | 2* | 100 | 2* | 105 |
| Hitachi | EH1600 | 99 | 2* | 105 | 2* | 105 |
| Hitachi | EH1700 | 108 | 2* | 110 | 2* | 115 |
| Hitachi | EH1700-3 | 100 | 2* | 105 | 2* | 105 |
| Komatsu | HD785-1 | 86 | 2* | 80 | 2* | 85 |
| Komatsu | HD785-3 | 86 | 2* | 85 | 2* | 90 |
| Komatsu | HD785-3 | 100 | 2* | 90 | 2* | 100 |
| Komatsu | HD785-5 | 106 | 2* | 110 | 2* | 110 |
| Komatsu | HD785-7 | 100 | 2* | 100 | 2* | 110 |
| Komatsu | HD785-8 | 100 | 2* | 110 | 2* | 110 |
| Komatsu Haulpak | 325M | 95 | 2* | 95 | 2* | 95 |
| Komatsu Haulpak | 330M | 100 | 2* | 100 | 2* | 105 |
| Kress | CH160 | 160 | 2* | 105 | 2* | 105 |
| Kress | CH180 | 180 | 2* | CT | 2* | CT |
| Liebherr | T236 | 110 | CT | CT | 2* | CT |
| Perlini | DP905 | 105 | 2* | 100 | 2* | 105 |
| Rimpull | RD100 | 100 | 2* | 95 | 2* | 100 |
| Rimpull | RD100C | 100 | 2* | 95 | 2* | 105 |
| Terex | 3311C | 85 | 2* | 80 | 2* | 80 |
| Terex | 3311D | 77 | 2* | 95 | 2* | 80 |
| Terex | 3311E | 94 | 2* | 100 | 2* | 90 |
| Terex | TR100 | 100 | 2* | 105 | 2* | 100 |
| Terex | TR100 (HR) | 94 | 2* | 105 | 2* | 100 |
| Terex | TR100 DD | 100 | 2* | 105 | 2* | 100 |
| Unit Rig | Dart 3100 | 100 | 2* | 100 | 2* | 105 |
| Unit Rig | Dart 4160 | 160 | 1* | 65 | 2* | 95 |
| Unit Rig | M85 | 85 | 2* | 80 | 2* | 80 |
| Unit Rig | M100 | 100 | 2* | 95 | 2* | 95 |
| Unit Rig | M120-15 | 120 | 2* | 115 | 2* | 115 |
| Unit Rig | Mark 24 | 85 | 2* | 95 | 2* | 80 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 33.00R51 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Belaz | 75131 | 150 | 2* | 110 | 2* | 110 |
| Belaz | 75137NA | 150 | 2* | 110 | 2* | 110 |
| Caterpillar | 785 | 155 | 2* | 105 | 2* | 105 |
| Caterpillar | 785B | 155 | 2* | 105 | 2* | 105 |
| Caterpillar | 785C | 150 | 2* | 110 | 2* | 115 |
| Caterpillar | 785D | 157 | 2* | 115 | 2* | 115 |
| Caterpillar | 785G | 157 | 2* | 110 | 2* | 115 |
| Euclid | R120E | 120 | 2* | 75 | 2* | 80 |
| Euclid | R130 | 152 | 2* | 95 | 2* | 95 |
| Euclid | R130B | 146 | 2* | 100 | 2* | 100 |
| Euclid | R130M | 130 | 2* | 80 | 2* | 85 |
| Euclid | R150 | 150 | 2* | 105 | 2* | 105 |
| Komatsu Haulpak | 510E | 150 | 2* | 105 | 2* | 105 |
| Komatsu Haulpak | 530M | 165 | 2* | 110 | 2* | 115 |
| Komatsu | HD1500-7 | 159 | 2* | 110 | 2* | 115 |
| Terex | MT3300 | 150 | 2* | 110 | 2* | 110 |
| Terex | MT3300AC | 150 | 2* | 115 | 2* | 115 |
| Terex | MT3314B | 125 | 2* | 85 | 2* | 85 |

## 37.00R57 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| CAT | 789C | 195 | 2* | 105 | 2* | 110 |
| CAT | 789D | 200 | 2* | 110 | 2* | 110 |
| Euclid | R190 | 190 | 2* | 90 | 2* | 95 |
| Hitachi | EH3500AC11 | 185 | 2* | 95 | 2* | 110 |
| Hitachi | EH3500AC-3 | 200 | 2* | 105 | 2* | 110 |
| Komatsu | 730E | 203 | 2* | 110 | 2* | 110 |
| Komatsu | 730E-8 | 200 | 2* | 115 | 2* | 110 |
| Terex | MT 3700 | 205 | 2* | 110 | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 40.00R57 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Belaz | 75302NA | 243 | 2* | 110 | 2* | 110 |
| Belaz | 75310 | 265 | CT | CT | CT | CT |
| Caterpillar | 789D | 200 | 2* | 90 | 2* | 90 |
| Caterpillar | 793C | 250 | 2* | 110 | 2* | 115 |
| Caterpillar | 793D | 240 | 2* | 110 | 2* | 115 |
| Caterpillar | 793F | 247 | NR | NR | NR | NR |
| Caterpillar | 793F SLWS | 250 | NR | NR | NR | NR |
| Caterpillar | 793F XLWS | 247 | NR | NR | NR | NR |
| Hitachi | EH3500AC-II | 185 | 2* | 80 | 2* | 90 |
| Hitachi | EH3500AC-3 | 200 | 2* | 90 | 2* | 90 |
| Hitachi | EH4000AC-II | 250 | 2* | 105 | 2* | 105 |
| Hitachi | EH4000AC-3 | 250 | 2* | 105 | 2* | 105 |
| Komatsu | 730E-8 | 200 | 2* | 95 | 2* | 90 |
| Komatsu | 830E | 244 | 2* | 110 | 2* | 115 |
| Komatsu | 830E-AC | 244 | 2* | 110 | 2* | 115 |
| Liebherr | T264 | 244 | 2* | 110 | 2* | 115 |
| Terex | MT 3700 | 205 | 2* | 90 | 2* | 95 |
| Terex | MT 4400 | 260 | 2* | 115 | 2* | 115 |

## 46/90R57 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Belaz | 75302NA | 243 | 2* | 100 | 2* | 105 |
| Belaz | 75310 | 265 | 2* | 110 | 2* | 115 |
| CAT | 793F | 250 | 2* | 105 | 2* | 105 |
| Caterpillar | 793F SLWS | 250 | 2* | 105 | 2* | 110 |
| Caterpillar | 793F XLWS | 247 | 2* | 105 | 2* | 110 |
| Hitachi | EH4000AC-2 | 243 | 2* | 105 | 2* | 105 |
| Hitachi | EH4000AC-3 | 250 | 2* | 100 | 2* | 100 |
| Komatsu | 830E-AC | 244 | 2* | 105 | 2* | 110 |
| Liebherr | T264 | 251 | 2* | 110 | 2* | 110 |
| Terex | MT 3700 | 205 | 2* | 85 | 2* | 90 |
| Terex | MT 4400 | 260 | 2* | 110 | 2* | 110 |
| Terex | MT 4400AC | 260 | 2* | 110 | 2* | 110 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 50/80R57 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Bucyrus | MT4400 AC | 240 | 2* | 90 | 2* | 90 |
| Caterpillar | 793F | 250 | 2* | 90 | 2* | 90 |
| Caterpillar | 793F XLWS | 247 | 2* | 90 | 2* | 90 |
| Hitachi | EH4500-2 | 282 | 2* | 105 | 2* | 100 |
| Komatsu | 830E-5 | 250 | 2* | 95 | 2* | 95 |
| Komatsu | 860E-1K | 280 | 2* | 110 | 2* | 110 |
| Liebherr | T264 | 265 | 2* | 95 | 2* | 100 |
| Liebherr | T272 | 320 | 2* | 105 | 2* | 105 |

## 53/80R63 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | MT5300AC | 320 | 2* | 110 | 2* | 115 |
| Caterpillar | 794 AC | 320 | 2* | 110 | 2* | 115 |
| Hitachi | EH5000AC-II | 320 | 2* | 105 | 2* | 105 |
| Hitachi | EH5000AC-3 | 326 | 2* | 105 | 2* | 105 |
| Komatsu | 930E-2 | 320 | 2* | 110 | 2* | 105 |
| Komatsu | 930E-3 | 320 | 2* | 105 | 2* | 105 |
| Komatsu | 930E-4 | 320 | 2* | 105 | 2* | 105 |
| Komatsu | 930E-4SE | 320 | 2* | 105 | 2* | 110 |
| Komatsu | 930E-5 | 320 | 2* | 110 | 2* | 115 |

## 56/80R63 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Belaz | 75600 | 350 | 2* | 100 | 2* | 105 |
| Cat | 795 AC | 345 | 2* | 105 | 2* | 105 |
| Komatsu | 960E-1 | 360 | 2* | 105 | 2* | 105 |
| Komatsu | 960E-1K | 360 | 2* | 105 | 2* | 105 |
| Komatsu | 960E-2 | 360 | 2* | 105 | 2* | 105 |
| Komatsu | 960E-2K | 360 | 2* | 105 | 2* | 105 |
| Liebherr | T282C | 400 | 2* | 110 | 2* | 110 |
| Liebherr | T284 | 400 | 2* | 110 | 2* | 110 |
| Terex | MT 5500 | 360 | 2* | 100 | 2* | 100 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 59/80R63 RIGID DUMP TRUCK USAGE CHART

For Standard Earthmover Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Bucket (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Belaz | 75600 | 350 | 2* | 95 | 2* | 95 |
| Belaz | 75601 | 400 | 2* | 105 | 2* | 105 |
| Belaz | 75710 | 500 | 2* | 105 | 2* | 105 |
| Belaz | 75710 | 515 | 2* | 110 | 2* | 110 |
| CAT | 795F AC | 345 | 2* | 95 | 2* | 100 |
| Cat | 797F | 400 | 2* | 110 | 2* | 110 |
| Caterpillar | 798 AC | 410 | 2* | 110 | 2* | 110 |
| Komatsu | 980E-4 | 407 | 2* | 110 | 2* | 110 |
| Liebherr | T282C | 400 | 2* | 105 | 2* | 105 |
| Liebherr | T284 | 400 | 2* | 105 | 2* | 105 |
| Terex | MT 5500 | 360 | 2* | 90 | 2* | 90 |
| Terex | MT 6300 | 400 | 2* | 105 | 2* | 105 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# RADIAL TOWED SCRAPER

## 17.5R25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Tires Per Axel | Tire Min. Ply Rating | Tire Min. Inflation (psi) |
|---|---|---|---|---|---|
| Ashland | 1410E | 14 | 4 | 2* | 70 |
| Deere | 1510DC | 15 | 4 | 2* | 70 |
| Deere | 1814DC | 18 | 6 | 2* | 55 |
| Deere | 2014DE | 20 | 6 | 2* | 65 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 20.5R25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Tires Per Axel | Tire Min. Ply Rating | Tire Min. Inflation (psi) |
|---|---|---|---|---|---|
| Ashland | 110TS2 | 11.3 | 2 | 2* | 75 |
| Ashland | 110XL2 | 11.3 | 2 | CT | CT |
| Ashland | 130TS2 | 13.3 | 2 | CT | CT |
| Ashland | 220TS4 | 22 | 4 | CT | CT |
| Ashland | 1410E | 14 | 2 | CT | CT |
| Ashland | 2012CS | 20 | 4 | 2* | 75 |
| Ashland | 2014CS | 20 | 6 | 1* | 45 |
| Deere | 1510DC | 15 | 4 | 1* | 50 |
| Deere | 1612DE | 16 | 4 | 2* | 60 |
| Deere | 1810DC | 18 | 4 | 2* | 60 |
| Deere | 1812DC | 18 | 4 | 2* | 60 |
| Deere | 1814DC | 18 | 6 | 1* | 40 |
| Deere | 2010DE | 20 | 4 | 2* | 75 |
| Deere | 2014DE | 20 | 6 | 1* | 45 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 23.5R25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Tires Per Axel | Tire Min. Ply Rating | Tire Min. Inflation (psi) |
|---|---|---|---|---|---|
| Ashland | 140TS2 | 14 | 2 | CT | CT |
| Ashland | 140TS2 LGP | 14 | 2 | CT | CT |
| Caterpillar | TS185 | 19 | 4 | 1* | 50 |
| Deere | 2112DC | 21.5 | 6 | 1* | 40 |
| Deere | 2412DE | 24 | 4 | 2* | 70 |
| K-Tec | 1228 | 28 | 4 | 2* | 70 |
| K-Tec | 1228 ADT | 28 | 4 | 2* | 65 |
| K-Tec | 1233 | 33 | 4 | CT | CT |
| K-Tec | 1236 | 36 | 4 | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 26.5R25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Tires Per Axel | Tire Min. Ply Rating | Tire Min. Inflation (psi) |
|---|---|---|---|---|---|
| Caterpillar | TS185 | 19 | 4 | 1* | 40 |
| Caterpillar | TS225 | 23.5 | 4 | 1* | 45 |
| Deere | 2112DC (1) | 21.5 | 4 | 2* | 65 |
| Deere | 2112DC (2) | 21.5 | 4 | 1* | 45 |
| Deere | 2412DE (1) | 24 | 4 | 2* | 75 |
| Deere | 2412DE (2) | 24 | 4 | 1* | 55 |
| K-Tec | 1233 | 33 | 4 | 2* | 65 |
| K-Tec | 1237 ADT | 40.5 | 4 | CT | CT |
| K-Tec | 1243 ADT | 43 | 4 | 1* | 55 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services
(1) - Front scraper used in train
(2) - Rear scraper used in train, or single scraper

## 29.5R25 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Tires Per Axel | Tire Min. Ply Rating | Tire Min. Inflation (psi) |
|---|---|---|---|---|---|
| Ashland | 155TS2 | 15.5 | 2 | 1* | 50 |
| Ashland | 215TS2 | 21.5 | 2 | 2* | 70 |
| Caterpillar | TS180 | 18.8 | 2 | 2* | 60 |
| Deere | 2010D E | 20 | 2 | 2* | 65 |
| K-Tec | 1243 ADT | 43 | 4 | 1* | 40 |
| K-Tec | 1263 ADT | 63 | 4 | 2* | 60 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 875/65R29 TOWED SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Tires Per Axel | Tire Min. Ply Rating | Tire Min. Inflation (psi) |
|---|---|---|---|---|---|
| Caterpillar | TS180 | 18.8 | 2 | 2* | 55 |
| Caterpillar | TS220 | 23.5 | 2 | 2* | 65 |
| Deere | 2412DE | 24 | 2 | CT | CT |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# RADIAL TRACTOR SCRAPER

## 23.5R25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 613B | 11 | 1* | 50 | 1* | 50 |
| Caterpillar | 613C | 11 | 1* | 50 | 1* | 50 |
| Caterpillar | 613C II | 11 | 1* | 50 | 1* | 55 |
| Caterpillar | 613G | 11 | 2* | 60 | 1* | 55 |
| Deere | 762 | 11 | 1* | 55 | 1* | 55 |
| Deere | 762A | 11 | 2* | 60 | 1* | 55 |
| Deere | 762B | 11 | 2* | 60 | 1* | 55 |
| Deere | 762B II | 14 | 2* | 60 | 1* | 55 |
| Komatsu Dresser | 412 | 11 | 1* | 50 | 1* | 55 |
| Komatsu Dresser | 412B | 11 | 1* | 55 | 1* | 55 |

## 26.5R25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 611 | 15 | 2* | 65 | 2* | 65 |
| Caterpillar | 611C II | 15 | CT | CT | 2* | 65 |
| Caterpillar | 615 | 16 | 2* | 70 | 2* | 60 |
| Caterpillar | 615C | 16 | 2* | 70 | 2* | 60 |
| Caterpillar | 615C II | 17 | 2* | 75 | 2* | 70 |
| Deere | 860 | 15 | 2* | 55 | 2* | 60 |
| Deere | 860A Std | 15 | 2* | 60 | 2* | 60 |
| Deere | 860A HD | 15 | 2* | 65 | 2* | 60 |
| Deere | 862 | 16 | 2* | 65 | 2* | 65 |
| Deere | 862B | 16 | 2* | 65 | 2* | 65 |
| Fiat Allis | 161 | 15 | 2* | 60 | 2* | 60 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

## 29.5R25 TRACTOR SCRAPER USAGE CHART

For Standard Scraper Service: <2.5 mile, < 30 mph

| Manufacturer | Model | Payload (cu. yd.) | Front Minimum Ply Rating | Front Minimum Inflation (psi) | Rear Minimum Ply Rating | Rear Minimum Inflation (psi) |
|---|---|---|---|---|---|---|
| Caterpillar | 611 | 15 | 1* | 55 | 1* | 50 |
| Caterpillar | 611C II | 15 | 1* | 55 | 1* | 50 |
| Caterpillar | 615 | 16 | 1* | 55 | 1* | 50 |
| Caterpillar | 615C | 16 | 1* | 55 | 1* | 50 |
| Caterpillar | 615C II | 17 | 2* | 60 | 1* | 55 |
| Deere | 862 w/ Kress bowl | 18 | 1* | 55 | 1* | 55 |
| Deere | 862 w/ Kress bowl | 20 | 2* | 60 | 2* | 60 |
| Deere | 862B | 16 | 1* | 50 | 1* | 50 |
| Fiat Allis | 161 | 15 | 1* | 45 | 1* | 45 |
| Terex | TS14B | 20 | 2* | 65 | 2* | 60 |
| Terex | TS14C | 20 | 2* | 65 | 2* | 60 |
| Terex | TS14G | 20 | 2* | 70 | 2* | 65 |

Pressure and ply recommendations based on normal quarry operations with standard equipment. For different applications, or modified equipment, please contact OTR Field Engineering for a specific recommendation. Tire damage or failure caused by improper load, ply, speed or inflation practices is not covered by the Titan Tire Warranty Policy.

CT - Contact Titan Technical services

# INDUSTRIAL VEHICLE

## OFF THE ROAD TIRE LOADS - USE ON INDUSTRIAL VEHICLES

| Tire Size | Ply Rating | Inflation Pressure psi (kPa) | Loads in lbs (kg) at Various Speeds | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Stationary | Creep | 2.5 mph (4 km/h) | 5 mph (10 km/h) | 10 mph (10 km/h) | 12.5 (20 km/h) | 15 mph (25 km/h) |
| 14.00-24/25 | 24 | 128 (850) | 33,500 (15,200) | 27,300 (12,400) | 24,000 (10,900) | 20,900 (9,500) | 19,400 (8,800) | 18,500 (8,400) | 17,900 (8,100) |
| | 28 | 134 (925) | 35,300 (16,000) | 28,700 (13,000) | 25,400 (11,500) | 22,000 (10,000) | 20,500 (9,300) | 19400 (8,800) | 18,700 (8,500) |
| 16.00-25 | 32 | 127 (875) | 44,100 (20,000) | 35,900 (16,300) | 31,700 (14,400) | 27,600 (12,500) | 25,600 (11,600) | 24,300 (11,000) | 23,400 (10,600) |
| 18.00-25 | 40 | 138 (950) | 60,000 (27,200) | 48,700 (22,100) | 43,200 (19,600) | 37,500 (17,000) | 34,800 (15,800) | 33,100 (15,000) | 32,000 (14,500) |
| 18.00-33 | 40 | 138 (950) | 70,500 (32,000) | 57,300 (26,000) | 50,700 (23,000) | 44,000 (20,000) | 41,000 (18,600) | 38,800 (17,600) | 37,500 (17,000) |
| 21.00-25 | 40 | 120 (825) | 72,800 (33,000) | 59,100 (26,800) | 52,200 (23,700) | 45,400 (20,600) | 42,300 (19,200) | 39,900 (18,100) | 38,600 (17,500) |
| 21.00-35 | 36 | 109 (750) | 81,100 (36,800) | 65,900 (29,900) | 58,300 (26,400) | 50,700 (23,000) | 47,200 (21,400) | 44,600 (20,200) | 43,100 (19,600) |
| | 42 | 123 (850) | 85,800 (38,900) | 69,700 (31,600) | 61,500 (27,900) | 53,600 (24,300) | 49,800 (22,600) | 47,200 (21,400) | 45,600 (20,700) |

## INDUSTRIAL VEHICLE FOR USE ON SMOOTH FLOORS AND RUNWAYS ONLY

| Tire Size | Ply Rating | Inflation Pressure psi (kPa) | Loads in lbs (kg) at Various Speeds | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Stationary | Creep | 2.5 mph (4 km/h) | 5 mph (10 km/h) | 10 mph (10 km/h) | 12.5 (20 km/h) | 15 mph (25 km/h) |
| 14.00-24/25 | 24 | 145 (1,000) | 36,700 (16,700) | 32,600 (14,800) | 29,600 (13,400) | 27,600 (12,500) | 26,500 (12,000) | 25,800 (11,700) | 25,600 (11,600) |
| | 28 | 145 (1,000) | 36,700 (16,700) | 32,600 (14,800) | 29,600 (13,400) | 27,600 (12,500) | 26,500 (12,000) | 25800 (11,700) | 25,600 (11,600) |
| 16.00-25 | 32 | 145 (1,000) | 49,700 (22,500) | 44,200 (20,000) | 40,000 (18,100) | 37,300 (16,900) | 35,900 (16,300) | 35,100 (15,900) | 34,500 (15,600) |
| 18.00-25 | 40 | 145 (1,000) | 63,500 (28,800) | 56,500 (25,600) | 51,200 (23,200) | 47,600 (21,600) | 45,900 (20,800) | 44,800 (20,300) | 44,100 (20,000) |
| 18.00-33 | 40 | 145 (1,000) | 73,400 (33,000) | 65,300 (29,600) | 59,200 (26,800) | 55,100 (25,000) | 53,100 (24,100) | 51,800 (23,500) | 50,900 (23,100) |
| 21.00-25 | 40 | 145 (1,000) | 81,800 (37,100) | 72,600 (33,000) | 65,800 (29,900) | 61,300 (27,800) | 59,100 (26,800) | 57,800 (26,200) | 56,900 (25,800) |
| 21.00-35 | 36 | 131 (900) | 91,300 (41,400) | 81,100 (36,800) | 73,500 (33,400) | 68,400 (31,100) | 65,900 (29,900) | 64,400 (29,200) | 63,400 (28,800) |
| | 42 | 145 (1,000) | 96,300 (43,700) | 85,800 (38,900) | 77,700 (35,200) | 72,300 (32,800) | 69,700 (31,600) | 68,100 (30,900) | 67,000 (30,400) |

IMPORTANT: Loads shown in the above table are for the tire only. The rim manufacturer must be consulted to determine the suitability of the rim/wheel for the intended service. Industrial vehicles consist of vehicles such as counterbalanced lift trucks, container handlers, straddle carriers, aircraft tow tractors, pavers, mobile crushers, log stackers, and rough terrain fork lifts.

Creep is defined as movement at very slow speed, not over 200 ft (60 m) in 30 minutes. During creep motion loads on tires are very high. Consideration must be given to the type of surface over which the equipment is traveling.

Smooth floors and runways are defined as paved or protected surfaces which are free of undulations, obstructions, or discontinuities.

# OTHER INFLATION TABLES

## LOADS FOR E-7 TIRES IN PAVING SERVICE

| 14.00-20DT | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflation | kPA (psi) | 75 (11) | 100 (15) | 125 (18) | 150 (22) | 175 (25) | 200 (29) | 240 (35) | 250 (36) | 275 (40) | 300 (44) |
| Load | kg (lbs) | 2,060 (4,540) | 2,500 (5,520) | 2,800 (6,150) | 3,150 (6,950) | 3,450 (7,600) | 3,750 (8,250) | 4,125 (9,100) | 4,250 (9,350) | 4,500 (9,900) | 4,750 (10,500) |
| Ply Rating | | 4 | | | 6 | | 8 | | | 10 | |
| LOADS AT OTHER SPEEDS | | | | | | | | | | | |
| 65 km/h (40 mph) | kg (lbs) | 1,195 (2,634) | 1,450 (3,197) | 1,624 (3,580) | 1,827 (4,028) | 2,001 (4,411) | 2,175 (4,795) | 2,392.5 (5,274) | 2,465 (5,434) | 2,610 (5,754) | 2,755 (6,074) |
| 50 km/h (30 mph) | kg (lbs) | 1,400 (3,090) | 1,700 (3,750) | 1,900 (4,190) | 2,140 (4,720) | 2,350 (5,180) | 2,550 (5,620) | 2,810 (6,190) | 2,890 (6,370) | 3,060 (6,750) | 3,230 (7,120) |
| 25 km/h (15 mph) | kg (lbs) | 1,650 (3,640) | 2,000 (4,410) | 2,240 (4,940) | 2,520 (5,560) | 2,760 (6,080) | 3,000 (6,610) | 3,300 (7,280) | 3,400 (7,500) | 3,600 (7,940) | 3,800 (8,380) |
| 20 km/h (12.5 mph) | kg (lbs) | 1,730 (3,810) | 2,100 (4,630) | 2,350 (5,180) | 2,650 (5,840) | 2,900 (6390) | 3,150 (6,940) | 3,470 (7,650) | 3,570 (7,870) | 3,780 (8,330) | 3,990 (8,800) |
| 15 km/h (10 mph) | kg (lbs) | 1,790 (3,950) | 2,180 (4,810) | 2,440 (5,380) | 2,740 (6,040) | 3,000 (6610) | 3,260 (7,190) | 3,590 (7,910) | 3,700 (8,160) | 3,920 (8,640) | 4,130 (9,100) |
| 10 km/h (5 mph) | kg (lbs) | 2,060 (4,540) | 2,500 (5,520) | 2,800 (6,150) | 3,150 (6,950) | 3,450 (7,600) | 3,750 (8,250) | 4,125 (9,100) | 4,250 (9,350) | 4,500 (9,900) | 4,750 (10,500) |
| 4 km/h (2.5 mph) | kg (lbs) | 2,370 (5,220) | 2,880 (6,350) | 3,220 (7,100) | 3,620 (7,980) | 3,970 (8,750) | 4,310 (9,500) | 4,740 (10,450) | 4,890 (10,780) | 5,180 (11,420) | 5,460 (12,040) |
| Creep | kg (lbs) | 2,680 (5,910) | 3,250 (7,160) | 3,640 (8,020) | 4,100 (90,40) | 4,490 (9,900) | 4,880 (10,760) | 5,360 (11,820) | 5,530 (12,190) | 5,850 (12,900) | 6,180 (13,620) |
| Stationary | kg (lbs) | 3,300 (7,280) | 4,000 (8,820) | 4,480 (9,880) | 5,040 (11,110) | 5,520 (12,170) | 6,000 (13,230) | 6,600 (14,550) | 6,800 (14,990) | 7,200 (15,870) | 7,600 (16,750) |

| 16.00-24DT | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflation | kPA (psi) | 75 (11) | 100 (15) | 125 (18) | 150 (22) | 175 (25) | 200 (29) | 240 (35) | 250 (36) | 275 (40) | 300 (44) |
| Load | kg (lbs) | 3750 (8250) | 4500 (9900) | 5000 (11000) | 5600 (12300) | 6150 (13600) | 6700 (14800) | 7500 (16500) | 7500 (16500) | 8000 (17600) | 8500 (18700) |
| Ply Rating | | 4 | 6 | | | 8 | | 10 | | 12 | |
| LOADS AT OTHER SPEEDS | | | | | | | | | | | |
| 65 km/h (40 mph) | kg (lbs) | 2,180 (4,810) | 2,610 (5,750) | 2,900 (6,390) | 3,250 (7,160) | 3,570 (7,870) | 3,890 (8,580) | 4,350 (9,590) | 4,350 (9,590) | 4,640 (10,230) | 4,930 (10,870) |
| 50 km/h (30 mph) | kg (lbs) | 2,550 (5,620) | 3,060 (6,750) | 3,400 (7,500) | 3,810 (8,400) | 4,180 (9,220) | 4,560 (1,050) | 5,100 (11,240) | 5,100 (11,240) | 5,440 (11,990) | 5,780 (12,740) |
| 25 km/h (15 mph) | kg (lbs) | 3,000 (6,610) | 3,600 (7,940) | 4,000 (8,820) | 4,480 (9,880) | 4,920 (10,850) | 5,360 (11,820) | 6,000 (13,230) | 6,000 (13,230) | 6,400 (14,110) | 6,800 (14,990) |
| 20 km/h (12.5 mph) | kg (lbs) | 3,150 (6,940) | 3,780 (8,330) | 4,200 (9,260) | 4,700 (10,360) | 5,170 (11,400) | 5,630 (12,410) | 6,300 (13,890) | 6,300 (13,890) | 6,720 (14,810) | 7,140 (15,740) |
| 15 km/h (10 mph) | kg (lbs) | 3,260 (7,190) | 3,920 (8,640) | 4,350 (9,590) | 4,870 (10,740) | 5,350 (11,790) | 5,830 (12,850) | 6,530 (14,400) | 6,530 (14,400) | 6,960 (15,340) | 7,400 (16,310) |
| 10 km/h (5 mph) | kg (lbs) | 3,750 (8,250) | 4,500 (9,900) | 5,000 (11,000) | 5,600 (12,300) | 6,150 (13,600) | 6,700 (14,800) | 7,500 (16,500) | 7,500 (16,500) | 8,000 (17,600) | 8,500 (18,700) |
| 4 km/h (2.5 mph) | kg (lbs) | 4,310 (9,500) | 5,180 (11,420) | 5,750 (12,680) | 6,440 (14,200) | 7,070 (15,590) | 7,700 (16,980) | 8,630 (19,030) | 8,630 (19,030) | 9,200 (20,280) | 9,780 (21,560) |
| Creep | kg (lbs) | 4,880 (10,760) | 5,850 (12,900) | 6,500 (14,330) | 7,280 (16,050) | 8,000 (17,640) | 8,710 (19,200) | 9,750 (21,490) | 9,750 (21,490) | 10,400 (22,930) | 11,050 (24,360) |
| Stationary | kg (lbs) | 6,000 (13,230) | 7,200 (15,870) | 8,000 (17,640) | 8,960 (19,750) | 9,840 (21,690) | 10,720 (23,630) | 12,000 (26,460) | 12,000 (26,460) | 12,800 (28,220) | 13,600 (29,980) |

| 18.00-25DT | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflation | kPA (psi) | 75 (11) | 100 (15) | 125 (18) | 150 (22) | 175 (25) | 200 (29) | 240 (35) | 250 (36) | 275 (40) | 300 (44) | 325 (47) | 350 (51) | 375 (54) | 400 (58) | 425 (62) | 450 (65) | 475 (69) | 500 (73) |
| Load | kg (lbs) | 3875 (8,550) | 4625 (10,200) | 5300 (11,700) | 5800 (12,800) | 6300 (13,900) | 6,900 (15,200) | 7,750 (17,100) | 7,750 (17,100) | 8,250 (18,200) | 8,750 (19,300) | 9,250 (20,400) | 9,500 (20,900) | 10,000 (22,000) | 10,300 (22,700) | 10,600 (23,400) | 11,200 (24,700) | 11,500 (25,400) | 11,800 (26,000) |
| Ply Rating | | 4 | 6 | | | 8 | | 10 | | 12 | | 14 | | 16 | | 18 | | 20 | |
| LOADS AT OTHER SPEEDS | | | | | | | | | | | | | | | | | | | |
| 65 km/h (40 mph) | kg (lbs) | 2,250 (4,960) | 2,610 (5,750) | 2,990 (6,590) | 3,360 (7,410) | 3,650 (8,050) | 4,000 (8,820) | 4,350 (9,590) | 4,500 (9,920) | 4,790 (10,560) | 5,080 (11,200) | 5,220 (11,510) | 5,510 (12,150) | 5,800 (12,790) | 5,970 (13,160) | 6,150 (13,560) | 6,320 (13,930) | 6,670 (14,700) | 6,840 (15,080) |
| 50 km/h (30 mph) | kg (lbs) | 2,640 (5,820) | 3,060 (6,750) | 3,500 (7,720) | 3,940 (8,690) | 4,280 (9,440) | 4,690 (10,340) | 5,100 (11,240) | 5,270 (11,620) | 5,610 (12,370) | 5,950 (13,120) | 6,120 (13,490) | 6,460 (14,240) | 6,800 (14,990) | 7,000 (15,430) | 7,210 (15,900) | 7,410 (16,340) | 7,820 (17,240) | 8,020 (17,680) |
| 25 km/h (15 mph) | kg (lbs) | 3,100 (6,830) | 3,600 (7,940) | 4,120 (9,080) | 4,640 (10,230) | 5,040 (11,110) | 5,520 (12,170) | 6,000 (13,230) | 6,200 (13,670) | 6,600 (14,550) | 7,000 (15,430) | 7,200 (15,870) | 7,600 (16,750) | 8,000 (17,640) | 8,240 (18,170) | 8,480 (18,690) | 8,720 (19,220) | 9,200 (20,280) | 9,440 (20,810) |
| 20 km/h (12.5 mph) | kg (lbs) | 3,260 (7,190) | 3,780 (8,330) | 4,330 (9,550) | 4,870 (10,740) | 5,290 (11,660) | 58,00 (12,790) | 6,300 (13,890) | 6,510 (14,350) | 6,930 (15,280) | 7,350 (16,200) | 7,560 (16,670) | 7,980 (17,590) | 8,400 (18,520) | 8,650 (19,070) | 8,900 (19,620) | 9,160 (20,190) | 9,660 (21,300) | 9,910 (21,850) |
| 15 km/h (10 mph) | kg (lbs) | 3,370 (7,430) | 3,920 (8,640) | 4,480 (9,880) | 5,050 (11,130) | 5,480 (12,080) | 6,000 (13,230) | 6,530 (14,400) | 6,740 (14,860) | 7,180 (15,830) | 7,610 (16,780) | 7,830 (17,260) | 8,270 (18,230) | 8,700 (19,180) | 8,960 (19,750) | 9,220 (20,330) | 9,480 (20,900) | 10,010 (22,070) | 10,270 (22,640) |
| 10 km/h (5 mph) | kg (lbs) | 3,875 (8,550) | 4,625 (10,200) | 5,300 (11,700) | 5,800 (12,800) | 6,300 (13,900) | 6,900 (15,200) | 7,750 (17,100) | 7,750 (17,100) | 8,250 (18,200) | 8,750 (19,300) | 9,250 (20,400) | 9,500 (20,900) | 10,000 (22,000) | 10,300 (22,700) | 10,600 (23,400) | 11,200 (24,700) | 11,500 (25,400) | 11,800 (26,000) |
| 4 km/h (2.5 mph) | kg (lbs) | 4,460 (9,830) | 5,180 (11,420) | 5,920 (13,050) | 6,670 (14,700) | 7,240 (15,960) | 7,930 (17,480) | 8,630 (19,030) | 8,910 (19,640) | 9,490 (20,920) | 10,060 (22,180) | 10,350 (22,820) | 10,930 (24,100) | 11,500 (25,350) | 11,840 (26,100) | 12,190 (26,870) | 12,530 (27,620) | 13,220 (29,140) | 13,570 (29,920) |
| Creep | kg (lbs) | 5,040 (11,110) | 5,850 (12,900) | 6,700 (14,770) | 7,540 (16,620) | 8,190 (18,060) | 8,970 (19,780) | 9,750 (21,490) | 10,080 (22,220) | 10,730 (23,660) | 11,380 (25,090) | 11,700 (25,790) | 12,350 (27,230) | 13,000 (28,660) | 13,390 (29,520) | 13,780 (30,380) | 14,170 (31,240) | 14,950 (32,960) | 15,340 (33,820) |
| Stationary | kg (lbs) | 6,200 (13,670) | 7,200 (15,870) | 8,240 (18,170) | 9,280 (20,460) | 10,080 (22,220) | 11,040 (24,340) | 12,000 (26,460) | 12,400 (27,340) | 13,200 (29,100) | 14,000 (30,860) | 14,400 (31,750) | 15,200 (33,510) | 16,000 (35,270) | 16,480 (36,330) | 16,960 (37,390) | 17,440 (38,450) | 18,400 (40,560) | 18,880 (41,620) |

| 21.00-25DT | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflation | kPA (psi) | 150 (22) | 175 (25) | 200 (29) | 240 (35) | 250 (36) | 275 (40) | 300 (44) | 325 (47) | 350 (51) | 375 (54) | 400 (58) | 425 (62) | 450 (65) | 475 (69) | 500 (73) | 525 (76) | 550 (80) | 575 (83) |
| Load | kg (lbs) | 7,500 (16,530) | 8,250 (18,190) | 9,000 (19,840) | 10,000 (22,050) | 10,000 (22,050) | 10,600 (23,370) | 11,200 (24,690) | 11,800 (26,010) | 12,500 (27,560) | 12,850 (28,330) | 13,200 (29,100) | 14,000 (30,860) | 14,500 (31,970) | 14,500 (31,970) | 15,000 (33,100) | 15,500 (34,200) | 16,000 (35,300) | 16,500 (36,400) |
| Ply Rating | | 8 | 10 | | 12 | | 14 | 16 | | 18 | | 20 | 22 | | 24 | 26 | | 28 | |
| LOADS AT OTHER SPEEDS | | | | | | | | | | | | | | | | | | | |
| 65 km/h (40 mph) | kg (lbs) | 4,350 (9,590) | 4,790 (10,560) | 5,220 (11,510) | 5,800 (12,790) | 5,800 (12,790) | 6B150 (13,560) | 6,500 (14,330) | 6,840 (15,080) | 7,250 (15,980) | 7,450 (16,420) | 7,660 (16,890) | 8,120 (17,900) | 8,410 (18,540) | 8,410 (18,540) | 8,700 (19,180) | 8,990 (19,820) | 9,280 (20,460) | 9,570 (21,100) |
| 50 km/h (30 mph) | kg (lbs) | 5,100 (11,240) | 5,610 (12,370) | 6,120 (13,490) | 6,800 (14,990) | 6,800 (14,990) | 7B210 (15,900) | 7,620 (16,800) | 8,020 (17,680) | 8,500 (18,740) | 8,740 (19,270) | 8,980 (19,800) | 9,520 (20,990) | 9,860 (21,740) | 9,860 (21,740) | 10,200 (22,490) | 10,540 (23,240) | 10,880 (23,990) | 11,220 (24,740) |
| 25 km/h (15 mph) | kg (lbs) | 6,000 (13,230) | 6,600 (14,550) | 7,200 (15,870) | 8,000 (17,640) | 8,000 (17,640) | 8,480 (18B690) | 8,960 (19,750) | 9,440 (20,810) | 10,000 (22,050) | 10,280 (22,660) | 10,560 (23,280) | 11,200 (24,690) | 11,600 (25,570) | 11,600 (25,570) | 12,000 (26,460) | 12,400 (27,340) | 12,800 (28,220) | 13,200 (29,100) |
| 20 km/h (12.5 mph) | kg (lbs) | 6,300 (13,890) | 6,930 (15,280) | 7,560 (16,670) | 8,400 (18,520) | 8,400 (18,520) | 8,900 (19,620) | 9,410 (20,750) | 9,910 (21,850) | 10,500 (23,150) | 10,790 (23,790) | 11,090 (24,450) | 11,760 (25,930) | 12,180 (26,850) | 12,180 (26,850) | 12,600 (27,780) | 13,020 (28,700) | 13,440 (29,630) | 13,860 (30,560) |
| 15 km/h (10 mph) | kg (lbs) | 6,530 (14,400) | 7,180 (15,830) | 7,830 (17,260) | 8,700 (19,180) | 8,700 (19,180) | 9,220 (20,330) | 9,740 (21,470) | 10,270 (22,640) | 10,880 (23,990) | 11,180 (24,650) | 11,480 (25,310) | 12,180 (26,850) | 12,620 (27,820) | 12,620 (27,820) | 13,050 (28,770) | 13,490 (29,740) | 13,920 (30,690) | 14,360 (31,660) |
| 10 km/h (5 mph) | kg (lbs) | 7,500 (16,530) | 8,250 (18,190) | 9,000 (19,840) | 10,000 (22,050) | 10,000 (22,050) | 10,600 (23,370) | 11,200 (24,690) | 11,800 (26,010) | 12,500 (27,560) | 12,850 (28,330) | 13,200 (29,100) | 14,000 (30,860) | 14,500 (31,970) | 14,500 (31,970) | 15,000 (33,100) | 15,500 (34,200) | 16,000 (35,300) | 16,500 (36,400) |
| 4 km/h (2.5 mph) | kg (lbs) | 8,630 (19,030) | 9,490 (20,920) | 10,350 (22,820) | 11,500 (25,350) | 11,500 (25,350) | 12,190 (26,870) | 12,880 (28,400) | 13,570 (29,920) | 14,370 (31,680) | 14,780 (32,580) | 15,180 (33,470) | 16,100 (35,490) | 16,680 (36,770) | 16,680 (36,770) | 17,250 (38,030) | 17,830 (39,310) | 18,400 (40,560) | 18,980 (41,840) |
| Creep | kg (lbs) | 9,750 (21,490) | 10,730 (23,660) | 11,700 (25,790) | 13,000 (28,660) | 13,000 (28,660) | 13,780 (30,380) | 14,560 (32,100) | 15,340 (33,820) | 16,250 (35,820) | 16,710 (36,840) | 17,160 (37,830) | 18,200 (40,120) | 18,850 (41,560) | 18,850 (41,560) | 19,500 (42,990) | 20,150 (44,420) | 20,800 (45,860) | 21,450 (47,290) |
| Stationary | kg (lbs) | 12,000 (26,460) | 13,200 (29,100) | 14,400 (31,750) | 16,000 (35,270) | 16,000 (35,270) | 16,960 (37,390) | 17,920 (39,510) | 18,880 (41,620) | 20,000 (44,090) | 20,560 (45,330) | 21,120 (46,560) | 22,400 (49,380) | 23,200 (51,150) | 23,200 (51,150) | 24,000 (52,910) | 24,800 (54,670) | 25,600 (56,440) | 26,400 (58,200) |

## HIGH FLOTATION TIRES USED IN AGRICULTURAL, FORESTRY, AND OFF-THE-ROAD SERVICE

| Tire Size | Speed (mph) | TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 |
| 66X44.00-25NHS | 30 | 6,000 | 7,600 (6) | 9,100 | 10,200 | 11,400 | 12,800 | 13,600 (16) | 14,300 | 15,700 (20) | 16,500 | 17,100 | 18,200 (26) |
| | 20 | 6,700 | 8,500 | 10,200 | 11,400 | 12,800 | 14,300 | 15,200 | 16,000 | 17,600 | 18,500 | 19,200 | 20,400 |
| | 10 | 7,900 | 10,000 | 12,000 | 13,500 | 15,000 | 16,900 | 18,000 | 18,900 | 20,700 | 21,800 | 22,600 | 24,000 |
| | 5 | 9,500 | 12,000 | 14,400 | 16,100 | 18,000 | 20,200 | 21,500 | 22,600 | 24,800 | 26,100 | 27,000 | 28,800 |
| | Creep | 12,000 | 15,200 | 18,200 | 20,400 | 22,800 | 25,600 | 27,200 | 28,600 | 31,400 | 33,000 | 34,200 | 36,400 |
| | Stationary | 15,900 | 20,100 | 24,100 | 27,000 | 30,200 | 33,900 | 36,000 | 37,900 | 41,600 | 43,700 | 45,300 | 48,200 |
| 68X50.00-32NHS | 30 | 5,840 | 7,400 | 8,800 | 9,900 | 11,000 | 12,300 (16) | 13,200 | 14,300 (20) | ---- | ---- | ---- | ---- |
| | 20 | 6,550 | 8,300 | 9,850 | 11,100 | 12,300 | 13,800 | 14,800 | 16,000 | ---- | ---- | ---- | ---- |
| | 10 | 7,700 | 9,750 | 11,600 | 13,100 | 14,500 | 16,200 | 17,400 | 18,900 | ---- | ---- | ---- | ---- |
| | 5 | 9,250 | 11,700 | 13,900 | 15,600 | 17,400 | 19,400 | 20,900 | 22,600 | ---- | ---- | ---- | ---- |
| | Creep | 11,700 | 14,800 | 17,600 | 19,800 | 22,000 | 24,600 | 26,400 | 28,600 | ---- | ---- | ---- | ---- |
| | Stationary | 15,500 | 19,600 | 23,300 | 26,200 | 29,200 | 32,600 | 35,000 | 37,900 | ---- | ---- | ---- | ---- |
| 66X43.00-25NHS | 30 | 5,840 | 7,400 | 8,800 | 9,900 (10) | 11,000 (12) | 12,300 (14) | 13,200 (16) | 13,900 | 14,800 (20) | 15,700 | 16,500 | 17,600 (26) |
| | 20 | 6,550 | 8,300 | 9,850 | 11,100 | 12,300 | 13,800 | 14,800 | 15,600 | 16,600 | 17,600 | 18,500 | 19,700 |
| | 10 | 7,700 | 9,750 | 11,600 | 13,100 | 14,500 | 16,200 | 17,400 | 18,300 | 19,500 | 20,700 | 21,800 | 23,200 |
| | 5 | 9,250 | 11,700 | 13,900 | 15,600 | 17,400 | 19,400 | 20,900 | 22,000 | 23,400 | 24,800 | 26,100 | 27,800 |
| | Creep | 11,700 | 14,800 | 17,600 | 19,800 | 22,000 | 24,600 | 26,400 | 27,800 | 29,600 | 31,400 | 33,000 | 35,200 |
| | Stationary | 15,500 | 19,600 | 23,300 | 26,200 | 29,200 | 32,600 | 35,000 | 36,800 | 39,200 | 41,600 | 43,700 | 46,600 |
| 66X43.00-26NHS | 30 | 5,840 | 7,400 | 8,800 | 9,900 | 11,000 | 12,000 (14) | 13,200 (16) | 13,900 | 14,800 (20) | 15,700 | 16,500 | 17,100 (26) |
| | 20 | 6,550 | 8,300 | 9,850 | 11,100 | 12,300 | 13,400 | 14,800 | 15,600 | 16,600 | 17,600 | 18,500 | 19,200 |
| | 10 | 7,700 | 9,750 | 11,600 | 13,100 | 14,500 | 15,800 | 17,400 | 18,300 | 19,500 | 20,700 | 21,800 | 22,600 |
| | 5 | 9,250 | 11,700 | 13,900 | 15,600 | 17,400 | 19,000 | 20,900 | 22,000 | 23,400 | 24,800 | 26,100 | 27,000 |
| | Creep | 11,700 | 14,800 | 17,600 | 19,800 | 22,000 | 24,000 | 26,400 | 27,800 | 29,600 | 31,400 | 33,000 | 34,200 |
| | Stationary | 15,500 | 19,600 | 23,300 | 26,200 | 29,200 | 31,800 | 35,000 | 36,800 | 39,200 | 41,600 | 43,700 | 45,300 |
| 67X34.00-25NHS | 30 | 5,840 | 7,400 | 8,800 | 10,200 | 11,400 (10) | 12,300 | 13,200 (14) | 14,300 | 15,200 | 16,100 (20) | ---- | ---- |
| | 20 | 6,550 | 8,300 | 9,850 | 11,400 | 12,800 | 13,800 | 14,800 | 16,000 | 17,000 | 18,000 | ---- | ---- |
| | 10 | 7,700 | 9,750 | 11,600 | 13,500 | 15,000 | 16,200 | 17,400 | 18,900 | 20,100 | 21,300 | ---- | ---- |
| | 5 | 9,250 | 11,700 | 13,900 | 16,100 | 18,000 | 19,400 | 20,900 | 22,600 | 24,000 | 25,400 | ---- | ---- |
| | Creep | 11,700 | 14,800 | 17,600 | 20,400 | 22,800 | 24,600 | 26,400 | 28,600 | 30,400 | 32,200 | ---- | ---- |
| | Stationary | 15,500 | 19,600 | 23,300 | 27,000 | 30,200 | 32,600 | 35,000 | 37,900 | 40,300 | 42,700 | ---- | ---- |
| 67X34.00-26NHS | 30 | 5,840 | 7,400 | 8,800 | 9,900 | 11,000 | 12,000 | 13200 (14) | 13,900 | 14,800 | 15700 (20) | ---- | ---- |
| | 20 | 6,550 | 8,300 | 9,850 | 11,100 | 12,300 | 13,400 | 14,800 | 15,600 | 16,600 | 17,600 | ---- | ---- |
| | 10 | 7,700 | 9,750 | 11,600 | 13,100 | 14,500 | 15,800 | 17,400 | 18,300 | 19,500 | 20,700 | ---- | ---- |
| | 5 | 9,250 | 11,700 | 13,900 | 15,600 | 17,400 | 19,000 | 20,900 | 22,000 | 23,400 | 24,800 | ---- | ---- |
| | Creep | 11,700 | 14,800 | 17,600 | 19,800 | 22,000 | 24,000 | 26,400 | 27,800 | 29,600 | 31,400 | ---- | ---- |
| | Stationary | 15,500 | 19,600 | 23,300 | 26,200 | 29,200 | 31,800 | 35,000 | 36,800 | 39,200 | 41,600 | ---- | ---- |
| DH73x44.00-32 VA73x43.00-32 | 30 | 6,800 | 8,550 | 10,200 | 11,700 | 12,800 (12) | 14,300 | 15,200 (16) | 16,500 | 17,600 (20) | ---- | ---- | ---- |
| | 20 | 7,600 | 9,600 | 11,400 | 13,100 | 14,300 | 16,000 | 17,000 | 18,500 | 19,700 | ---- | ---- | ---- |
| | 10 | 9,000 | 11,300 | 13,500 | 15,400 | 16,900 | 18,900 | 20,100 | 21,800 | 23,200 | ---- | ---- | ---- |
| | 5 | 10,700 | 13,500 | 16,100 | 18,500 | 20,200 | 22,600 | 24,000 | 26,100 | 27,800 | ---- | ---- | ---- |
| | Creep | 13,600 | 17,100 | 20,400 | 23,400 | 25,600 | 28,600 | 30,400 | 33,000 | 35,200 | ---- | ---- | ---- |
| | Stationary | 18,000 | 22,700 | 27,000 | 31,000 | 33,900 | 37,900 | 40,300 | 43,700 | 46,600 | ---- | ---- | ---- |

CONTINUES ON NEXT PAGE

## HIGH FLOTATION TIRES USED IN AGRICULTURAL, FORESTRY, AND OFF-THE-ROAD SERVICE CONTINUED

| Tire Size | Speed (mph) | TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 |
| DH73x50.00-32 | 30 | 6,950 | 8,800 | 10,500 | 12,000 | 13,200 | 14,800 (16) | 15,700 | 17,100 (20) | ---- | ---- | ---- | ---- |
| | 20 | 7,800 | 9,850 | 11,800 | 13,400 | 14,800 | 16,600 | 17,600 | 19,200 | ---- | ---- | ---- | ---- |
| | 10 | 9,150 | 11,600 | 13,900 | 15,800 | 17,400 | 19,500 | 20,700 | 22,600 | ---- | ---- | ---- | ---- |
| | 5 | 11,000 | 13,900 | 16,600 | 19,000 | 20,900 | 23,400 | 24,800 | 27,000 | ---- | ---- | ---- | ---- |
| | Creep | 13,900 | 17,600 | 21,000 | 24,000 | 26,400 | 29,600 | 31,400 | 34,200 | ---- | ---- | ---- | ---- |
| | Stationary | 18,400 | 23,300 | 27,800 | 31,800 | 35,000 | 39,200 | 41,600 | 45,300 | ---- | ---- | ---- | ---- |

**Notes:**

1. The small index numbers denote ply ratings for which accompanying loads and inflations are maximum.
2. For variable loading operations where load increase or decrease, the load per tire when the vehicle is empty must be less than 40% of the load on the tire when the vehicle is fully loaded. Maximum load may not be carried for more than one mile before unloading operation starts. Loading or unloading must be completed within one mile.
3. For operations at other speeds with no change in inflation pressure, the loads in the above table may be changed as follows:

| MAXIMUM SPEED (mph) | % CHANGE IN LOADS |
|---|---|
| 20 | +12 |
| 10 | +32 |
| 5 | +58 |
| *Creep | +100 |
| Stationary | +165 |

4. Creep Speed is a travel rate of not over 200 feet in a 30 minute period

## RADIAL PLY TERRA

High Flotation Tires Used in Agricultural, Logging, and Off-the-Road Service
TIRES USED AS SINGLES WITH NO SUSTAINED HIGH TORQUE

| MAX SPEED 30 MPH | TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TIRE SIZE | 6 | 9 | 12 | 15 | 17 | 20 | 23 | 26 | 29 | 32 | 35 | 38 | 41 | 44 | 46 |
| 1000/50R25 | 5,360 | 6,400 | 7,400 | 8,550 | 9,650 (159) | 10,700 | 11,700 (166) | 12,300 | 13,200 | 13,600 | 13,900 (172) | 14,800 | 15,200 | 16,100 | 16,500 (178) |
| 1050/50R25 | 5,840 | 6,950 | 8,050 | 9,350 | 10500 (162) | 11,700 | 12,800 (169) | 13,600 | 14,300 | 14,800 | 15,200 (175) | 16,100 | 16500 (178) | ---- | ---- |
| 1050/50R32 | 6,400 | 7,600 | 8,800 | 10,200 | 11400 (165) | 12,800 | 13,900 (172) | 14,800 | 15,700 | 16,100 | 16,500 (178) | ---- | ---- | ---- | ---- |
| LSW1100/45R46 | 10,200* | 12,300* | 14,300 | 16,500 | 18200 (181) | 20,400 | 22,700 (189) | 24,000 | 24,700 | 26,000 | 26,800 (195) | ---- | ---- | ---- | ---- |
| LSW1100/45R46 (Muck Master) | 8,800* | 10,500* | 12,300 | 13,900 | 15700 (176) | 17,600 | 19,300 (183) | 20,400 | 21,500 | 22,000 | 23,400 (190) | ---- | ---- | ---- | ---- |
| 1250/40R25 | 6,150 | 7,400 | 8,800 | 9,900 | 11,000 (164) | 12,300 | 13,600 (171) | 14,300 | 15200 (175) | 15,700 | 16,500 (178) | 17,100 | 17600 (180) | ---- | ---- |
| 1250/35R32 | 6,000 | 7,400 | 8,550 | 9,650 | 11,000 (164) | 12,000 | 13,200 (170) | 14,300 | 14,800 | 15,700 | 16,100 (177) | ---- | ---- | ---- | ---- |
| 1250/50R32 | 8,550 | 10,200 | 11,700 | 13,600 | 15,200 (175) | 17,100 | 18,700 (182) | 19,800 | 20400 (185) | 21,500 | 22,000 (188) | ---- | ---- | ---- | ---- |
| 1250/35R42 | 6,800 | 8,250 | 9,650 | 11,000 | 12,300 (168) | 13,600 | 15,200 (175) | 16,100 | 16500 (178) | 17,600 | 18,200 (181) | ---- | ---- | ---- | ---- |
| LSW1250/35R46 | 9,900* | 12,000* | 13,900 | 16,100 | 18,200 (181) | 19,800 | 22,000 (188) | 23,400 | 24,700 | 25,400 | 26,800 (195) | -- | -- | -- | -- |
| LSW1250/40R46 | 9,650* | 11,700* | 13,600 | 15,200 | 17,100 (179) | 19,300 | 20,900 (186) | 22,700 | 23,400 | 24,700 | 25,400 (193) | ---- | ---- | ---- | ---- |
| LSW1400/30R46 | 10,500* | 12,300* | 14,800 | 16,500 | 18,700 (182) | 20,900 | 22,700 (189) | 24,000 | 25,400 | 26,800 | 27,600 (196) | ---- | ---- | ---- | ---- |

**Notes:**

1. For Loads at other conditions see notes 1, 2, and 3 on previous page.
2. The number in parentheses is tire's load index
3. The loads with an asterisk are for calculation of dual loads only.

## DIAGONAL (BIAS) PLY TIRES USED FOR SKID-STEER/MINI-LOADER SERVICE

| MAX SPEED 5 MPH | TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TIRE SIZE | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 |
| 10-16.5 NHS | ---- | ---- | 2,760 (4) | 3,020 | 3,260 | 3,500 (5) | 3,720 | 3,930 | 4,140 (8) | ---- | ---- | ---- | ---- |
| 12-16.5 NHS | ---- | ---- | 3,560 | 3,900 | 4,220 (6) | 4,520 | 4,810 (8) | 5,080 | 5,350 | 5,600 (10) | 5,850 | 6,090 | 6,330 (12) |
| 14-17.5 NHS | ---- | ---- | 4,820 (6) | 5,270 | 5,700 (8) | 6,110 | 6,490 | 6,870 (10) | ---- | ---- | ---- | ---- | ---- |
| 15-19.5 NHS | ---- | ---- | 6,130 (6) | 6,710 | 7,250 (8) | 7,770 | 8,260 (10) | 8,740 | 9,190 (12) | 9,360 | 10,060 (14) | 10,470 | 10,880 (16) |
| 31x15.50-15 NHS | 2,700 (4) | 3,050 | 3,395 (6) | 3,695 | 4,015 | 4,360 (8) | ---- | ---- | ---- | ---- | ---- | ---- | ---- |

**Notes:**

1. Number in (parentheses) denote ply rating or load range to which loads and inflations are maximum.
2. For 10 MPH service, the above loads must be reduced 21% at the same pressures.

## DIAGONAL (BIAS) PLY LOG SKIDDER DRIVE WHEEL TIRES USED IN LOGGING OR FORESTRY SERVICE (OTHER THAN ON CABLE OR GRAPPLE SKIDDERS) TIRES USED AS SINGLES

| MAX SPEED 20 MPH (30 KM/H) | | TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | psi | 20 | | 25 | | 30 | | 35 | | 40 | | 45 | 50 | | |
| | kPa | 140 | | 170 | | 210 | | 240 | | *275/280 | | 310 | 340 | | |
| 16.9-30 | lbs | 4,400 | | 5,080 | | 5,680 (10) | 141 | 6,150 | | 6,600 (14) | 146 | ---- | ---- | | |
| | kg | 2,000 | | 2,300 | | 2,575 (10) | | 2,800 | | 3,000 (14) | | | | | |
| 18.4-26 | lbs | 4,940 | | 5,680 (10) | 141 | 6,400 (12) | 145 | ---- | | ---- | | ---- | ---- | | |
| | kg | 2,240 | | 2,575 (10) | | 2,900 (12) | | | | | | | | | |
| 18.4-34 | lbs | 5,680 | | 6,400 (10) | 145 | ---- | | ---- | | ---- | | ---- | ---- | | |
| | kg | 2,575 | | 2,900 (10) | | | | | | | | | | | |
| 23.1-26 | lbs | 7,150 (10) | 149 | 8,250 | | 9,100 (14) | 157 | 9,900 (16) | 160 | 10,700 (20) | 163 | ---- | ---- | | |
| | kg | 3,250 (10) | | 3,750 | | 4,125 (14) | | 4,500 (16) | | 4,875 (20) | | | | | |
| 24.5-32 | lbs | 8,800 | | 9,900 (12) | 160 | 11000 (16) | 164 | 12,000 (18) | 167 | 13,200 (20) | 170 | ---- | ---- | | |
| | kg | 4,000 | | 4,500 (12) | | 5000 (16) | | 5,450 (18) | | 6,000 (20) | | | | | |
| LOW SECTION HEIGHT | | | | | | | | | | | | | | | |
| 28L-26 | lbs | 8,250 (12) | 154 | 9,350 (14) | 158 | 10,500 (16) | 162 | 11,400 (20) | 165 | ---- | | ---- | ---- | | |
| | kg | 3,750 (12) | | 4,250 (14) | | 4,750 (16) | | 5150 (20) | | | | | | | |
| 30.5L-32 | lbs | 10,500 (12) | 162 | 11,700 (16) | 166 | 13,200 (20) | 170 | 14,300 | | 15,700 (26) | 176 | 16,500 | 17,600 (32) | 180 | |
| | kg | 4,750 (12) | | 5,300 (16) | | 6,000 (20) | | 6,500 | | 7,100 (26) | | 75,00 | 8,000 (32) | | |
| DH35.5L-32 | lbs | 13,900 (16) | 172 | 16,100 (20) | 177 | 17,600 | | 19,300 (26) | 183 | 20,900 (30) | 186 | | | | |
| | kg | 6,300 (16) | | 7,300 (20) | | 8,000 | | 8,750 (26) | | 9,500 (30) | | | | | |

| TIRE TYPE NOMENCLATURE | |
|---|---|
| CODE NO. | TIRE TYPE |
| LS-2 | INTERMEDIATE TREAD |
| LS-3 | DEEP TREAD |

**Notes:**

1. Figures in (parentheses) denote ply rating or load range for which bold face loads and inflations are maximum. Numbers after ply ratings are Load Index numbers.
2. For shipping purposes, tire inflation may be increased to 30 psi (210 kPa). Inflation pressures must be adjusted to correct operating pressure before skidder is removed from carrier. Consult tire manufacturer for minimum tire shipping pressure.
3. "Tire Load Limit" for log skidders is defined as the maximum load for an individual tire due to the total radial forces imposed on the tire DURING OPERATION. This maximum load includes total vehicle weight with accessories and weight transfer. For grapple and cable skidders, refer to table below.
4. For load and carry type of logging operations such as loaders equipped with log forks and feller bunchers, with maximum speed of 5 mph (10 km/h), above tire load limits may be increased 50% with 5 psi (35 kPa) increase in inflation pressure. Maximum length of carry is 500 feet (150 m).
5. When used as duals, tire loads must be reduced. Multiply figures in table by .88.
6. Consult rim and wheel manufacturer for rims for this type of service.
7. For transport service and operations that do not require sustained high torque, the following load limits apply (table to the right):

| MAX SPEED | % CHANGE IN LOADS | CHANGE IN INFL. PRESSURE |
|---|---|---|
| Stationary | +170 | +5 PSI (30 kPa) |
| 10 MPH (15 KM/H) | +20 | NONE |
| 15 MPH (25 KM/H) | +15 | NONE |
| 20 MPH (30 KM/H) | NONE | NONE |
| 25 MPH (40 KM/H) | -10 | NONE |

## DIAGONAL (BIAS) PLY LOG SKIDDER DRIVE WHEEL TIRES USED ON CABLE OR GRAPPLE SKIDDERS TIRES USED AS SINGLES

| MAX SPEED 5 MPH (10 KM/H) | TIRE LOAD LIMITS (LBS) AT VARIOUS COLD INFLATION PRESSURES (PSI) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tire Size | psi | 25 | | 30 | | | 35 | | | 40 | | | 45 | | | 50 | | 55 | | | | |
| | kPa | 170 | | 210 | | | 240 | | | *275/280 | | | 310 | | | 340 | | 380 | | | | |
| 18.4-26 | lbs | 6,950 | | 8,050 (10) | | 153 | 9,100 (12) | | 157 | ---- | | | ---- | | | ---- | | ---- | | | | |
| | kg | 3,150 | | 3,650 (10) | | | 4,125 (12) | | | | | | | | | | | | | | | |
| 18.4-34 | lbs | 8,050 | | 9,100 (10) | | 157 | ---- | | | ---- | | | ---- | | | ---- | | ---- | | | | |
| | kg | 3,650 | | 4,125 (10) | | | | | | | | | | | | | | | | | | |
| 23.1-26 | lbs | 9,900 (10) | 160 | 11,700 | | | 12,800 (14) | | 169 | 13,900 (16) | | 172 | 15,200 (20) | | 175 | ---- | | ---- | | | | |
| | kg | 4,500 (10) | | 5,300 | | | 5,800 (14) | | | 6,300 (16) | | | 6,900 (20) | | | | | | | | | |
| 24.5-32 | lbs | 12,300 | | 13,900 (12) | | 172 | 15,200 (16) | | 175 | 17,100 (18) | | 179 | 18,700 (20) | | 182 | ---- | | ---- | | | | |
| | kg | 5,600 | | 6,300 (12) | | | 6,900 (16) | | | 7,750 (18) | | | 8,500 (20) | | | | | | | | | |
| LOW SECTION HEIGHT | | | | | | | | | | | | | | | | | | | | | | |
| 28L-26 | lbs | 11,700 (12) | 166 | 13,200 (14) | | 170 | 14,800 (16) | | 174 | 16,100 (20) | | 177 | ---- | | | ---- | | ---- | | | | |
| | kg | 5,300 (12) | | 6,000 (14) | | | 6,700 (16) | | | 7,300 (20) | | | | | | | | | | | | |
| 30.5L-32 | lbs | 14,800 (12) | 174 | 16,500 (16) | | 178 | 18,700 (20) | | 182 | 19,800 | | | 22,000 (26) | | 188 | 23,400 | | 24,700 (32) | | 192 | | |
| | kg | 6,700 (12) | | 7,500 (16) | | | 8,500 (20) | | | 9,000 | | | 10,000 (26) | | | 10,600 | | 11,200 (32) | | | | |
| DH35.5L-32 | lbs | 19,800 (16) | 184 | 22,700 (20) | | | 24,700 | | | 26,800 (26) | | 195 | 29,100 (30) | | 198 | ---- | | ---- | | | | |
| | kg | 9,000 (16) | | 10,300 (20) | | | 11,200 | | | 12,150 (26) | | | 13,200 (30) | | | | | | | | | |

**Notes:**

1. Figures in (parentheses) denote ply rating or load range for which bold face loads and inflations are maximum.
2. For shipping purposes, tire inflation may be increased to 30 psi (210 kPa). Inflation pressures must be adjusted to correct operating pressure before skidder is removed from carrier. Consult tire manufacturer for minimum tire shipping pressure.
3. "Tire Load Limit" for log skidders is defined as the maximum load for an individual tire due to the total radial forces imposed on the tire DURING OPERATION. This maximum load includes total vehicle weight with accessories, plus load increases due to log winching or grappling loads and weight transfer.
4. The table above applies only to log skidder tires used on cable or grapple skidders with a maximum speed of 5 mph (10 km/h). For use on other types of logging or forestry equipment or at speeds greater than 5 mph (10 km/h) refer to the table at the top of this page.
5. When used as duals, tire loads must be reduced. Multiply figures in table by .88.
6. Consult rim and wheel manufacturer for rims for this type of service.

## MATERIAL HANDLING LOADS

| Size | Service Condition Application Speed | | | Counterbalanced Lift Truck | | Industrial Vehicle Loads | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Front/Drive | Rear/Steer | Smooth Floor Only | | Other Than Smooth Floor | |
| | Ply Rating | Catalog Number | PSI (kPa) | up to 10 mph (15 km/h) | up to 15 mph (25 km/h) | 5 mph (10 km/h) | 10 mph (15 km/h) | 5 mph (10 km/h) | 10 mph (15 km/h) |
| | | | | lbs (kg) | lbs (kg) | lbs (kg) | lbs (kg) | lbs (kg) | lbs (kg) |
| **TITAN T40** | | | | | | | | | |
| 32x12-15 NHS | 20 | 44P226 | 145 (1,000) | 13,400 (6,080) | 10,200 (4,625) | 10,200 (4,625) | 8,050 (3,650) | 9,150 (4,150) | 7,250 (3,290) |
| 35x15-15 NHS | 24 | 44P376 | 145 (1,000) | 17,600 (8,000) | 13,200 (6,000) | 13,200 (6,000) | 10,500 (4,750) | 12,000 (5,450) | 9,650 (4,375) |
| 35x15-15 NHS | 28 | 44P377 | 145 (1,000) | 17,600 (8,000) | 13,200 (6,000) | 13,200 (6,000) | 10,500 (4,750) | 12,000 (5,450) | 9,650 (4,375) |
| **TITAN T44** | | | | | | | | | |
| 44x18-20 NHS | 32 | 44T3K1 | 145 (1,000) | 26,800 (12,150) | 20,400 (9,250) | 20,400 (9,250) | 16,100 | 18,200 (8,250) | 14,300 (6,500) |
| 42x21-22 NHS | 32 | 44T3J5 | 145 (1,000) | 33,300 (15,105) | 25,300 (11,475) | 25,300 (11,475) | 20,000 (9,070) | 22,800 (10,340) | 18,000 (8,165) |
| **TITAN PWT** | | | | | | | | | |
| 7.00-12 NHS | 12 | 44P212 | 125 (860) | 5,995 (2,720) | 4,555 (2,065) | 4,555 (2,065) | 3,595 (1,630) | 4,100 (1,860) | 3,235 (1,465) |
| 7.50-16 NHS | 12 | 44P2K8 | 115 (790) | 8,015 (3,635) | 6,090 (2,760) | 6,090 (2,760) | 4,810 (2,180) | 5,485 (2,490) | 4,330 (1,965) |
| 8.25-15 NHS | 12 | 44P231 | 105 (720) | 8,680 (3,935) | 6,595 (2,990) | 6,595 (2,990) | 5,210 (2,365) | 5,935 (2,690) | 4,685 (2,125) |
| 8.25-15 NHS | 14 | 44P2D5 | 120 (830) | 9,385 (4,255) | 7,135 (3,235) | 7,135 (3,235) | 5,630 (2,555) | 6,420 (2,910) | 5,070 (2,300) |
| 250-15 NHS | 16 | 4492H1 | 135 (930) | 9,450 (4,285) | 7,200 (3,265) | 7,200 (3,265) | 5,680 (2,575) | 6,450 (2,925) | 5,100 (2,315) |
| 250-15 NHS | 18 | 44P2H2 | 145 (1,000) | 9,900 (4,500) | 7,400 (3,350) | 7,400 (3,350) | 5,840 (2,650) | 6,800 (3,075) | 5,360 (2,430) |
| 28x12-15 NHS | 20 | 44P262 | 145 (1,000) | 10,700 (5,300) | 8,050 (3,650) | 8,050 (3,650) | 6,400 (2,900) | 7,150 (3,250) | 5,680 (2,575) |
| 28x9-15 NHS | 12 | 44P2B5 | 120 (830) | 6,880 (3,120) | 5,230 (2,370) | 5,230 (2,370) | 4,125 (1,870) | 4,705 (2,135) | 3,715 (1,685) |
| 28x9-15 NHS | 14 | 44P2D3 | 140 (970) | 7,530 (3,415) | 5,720 (2,595) | 5,720 (2,595) | 4,515 (2,050) | 5,150 (2,335) | 4,065 (1,845) |
| 29x8-15 NHS | 12 | 44P216 | 125 (860) | 6,870 (3,115) | 5,220 (2,370) | 5,220 (2,370) | 4,120 (1,870) | 4,700 (2,130) | 3,710 (1,685) |
| 32x15-15 NHS | 24 | 44P3G7 | 145 (1,000) | 15,700 (7,100) | 11,700 (5,300) | 11,700 (5,300) | 9,350 (4,250) | 10,700 (4,875) | 8,550 (3,875) |
| 36x11-15 NHS | 16 | 44P2F9 | 115 (790) | 12,290 (5,575) | 9,340 (4,235) | 9,340 (4,235) | 7,375 (3,345) | 8,405 (3,815) | 6,635 (3,010) |
| 36x11-15 NHS | 24 | 44P6F9 | 145 (1,000) | 14,100 (6,395) | 10,700 (4,855) | 10,700 (4,855) | 8,450 (3,835) | 9,650 (4,375) | 7,600 (3,445) |
| **TITAN INDUSTRIAL DEEP TREAD (IDT)** | | | | | | | | | |
| 5.70/5.00-8 NHS | 10 | 4542A1 | 145 (1,000) | 2,760 (1,250) | 2,090 (950) | 2,090 (950) | 1,650 (750) | 1,870 (850) | 1,480 (670) |
| 6.90 /6.00-9 NHS | 10 | 454204 | 125 (860) | 3,715 (1,685) | 2,820 (1,280) | 2,820 (1,280) | 2,230 (1,010) | 2,540 (1,150) | 2,000 (905) |
| 6.50-10 NHS | 10 | 454263 | 115 (790) | 4,225 (1,915) | 3,210 (1,455) | 3,210 (1,455) | 2,535 (1,150) | 2,890 (1,310) | 2,280 (1,035) |
| 7.50-10 NHS | 12 | 454287 | 120 (830) | 5,655 (2,565) | 4,300 (1,950) | 4,300 (1,950) | 3,395 (1,540) | 3,870 (1,755) | 3,055 (1,385) |
| 7.00-12 NHS | 12 | 454212 | 125 (860) | 5,995 (2,720) | 4,555 (2,065) | 4,555 (2,065) | 3,595 (1,630) | 4,100 (1,860) | 3,235 (1,465) |
| 7.00-12 NHS | 14 | 4542D7 | 145 (1,000) | 6,535 (2,965) | 4,970 (2,255) | 4,970 (2,255) | 3,920 (1,780) | 4,470 (2,030) | 3,530 (1,600) |
| 7.50-15 NHS | 12 | 454269 | 115 (790) | 7,690 (3,490) | 5,845 (2,650) | 5,845 (2,650) | 4,615 (2,095) | 5,260 (2,385) | 4,150 (1,880) |
| 8.25-15 NHS | 12 | 454231 | 105 (720) | 8,680 (3,935) | 6,595 (2,990) | 6,595 (2,990) | 5,210 (2,365) | 5,935 (2,690) | 4,685 (2,125) |
| 8.25-15 NHS | 14 | 4542D5 | 120 (830) | 9,385 (4,255) | 7,135 (3,235) | 7,135 (3,235) | 5,630 (2,555) | 6,420 (2,910) | 5,070 (2,300) |
| 29x8-15 NHS | 12 | 454216 | 125 (860) | 6,870 (3,115) | 5,220 (2,370) | 5,220 (2,370) | 4,120 (1,870) | 4,700 (2,130) | 3,710 (1,685) |
| 30X8-15 NHS | 12 | 454251 | 125 (860) | 6,940 (3,150) | 5,275 (2,395) | 5,275 (2,395) | 4,165 (1,890) | 4,745 (2,150) | 3,745 (1,700) |
| **TITAN INDUSTRIAL SERVICE** | | | | | | | | | |
| 5.70-8 NHS | 6 | 40B206 | 90 (620) | --- | --- | 1,530 (695) | 1,210 (550) | 1,415 (640) | 1,115 (505) |
| 5.70-8 NHS | 8 | 40B208 | 120 (830) | --- | 1,830 (830) | 1,830 (830) | 1,445 (655) | 1,675 (760) | 1,320 (600) |

CONTINUES ON NEXT PAGE

## MATERIAL HANDLING LOADS CONTINUED

| Size | Service Condition Application Speed | | | Counterbalanced Lift Truck | | Industrial Vehicle Loads | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Front/Drive | Rear/Steer | Smooth Floor Only | | | Other Than Smooth Floor | | |
| | Ply Rating | Catalog Number | PSI (kPa) | up to 10 mph (15 km/h) | up to 15 mph (25 km/h) | PSI (kPa) | 5 mph (10 km/h) | 10 mph (15 km/h) | PSI (kPa) | 5 mph (10 km/h) | 10 mph (15 km/h) |
| | | | | lbs (kg) | lbs (kg) | | lbs (kg) | lbs (kg) | | lbs (kg) | lbs (kg) |
| **TITAN PWT** | | | | | | | | | | | |
| 9.00-20 NHS | 12 | 44P218 | 95 (660) | 11,800 (5,350) | 8,950 (4,060) | 104 (720) | 10,600 (4,810) | 10,200 (4,625) | 87 (600) | 7,850 (3,560) | 6,800 (3,085) |
| 9.00-20 NHS | 14 | 44P2E8 | 110 (760) | 12,800 (5,805) | 9,750 (4,425) | 122 (840) | 11,540 (5,235) | 11,120 (5,045) | 102 (700) | 8,550 (3,880) | 7,450 (3,380) |
| 10.00-20 NHS | 16 | 44P2E9 | 115 (790) | 14,910 (6,765) | 11,330 (5,140) | 131 (900) | 13,750 (6,235) | 13,250 (6,010) | 109 (750) | 10,200 (4,625) | 8,850 (4,015) |
| 11.00-20 NHS | 16 | 44P2E2 | 110 (760) | 15,845 (7,185) | 12,040 (5,460) | 126 (870) | 14,450 (6,555) | 13,900 (6,305) | 105 (720) | 10,700 (4,855) | 9,300 (4,220) |
| 12.00-20 NHS | 18 | 44P2E3 | 115 (790) | 18,600 (8,435) | 14,100 (6,395) | 131 (900) | 17,300 (7,845) | 16,650 (7,550) | 109 (750) | 12,800 (5,805) | 11,150 (5,060) |
| 12.00-20 NHS | 20 | 44P2A7 | 130 (900) | 19,900 (9,025) | 15,100 (6,850) | 144 (990) | 18,350 (8,325) | 17,700 (8,030) | 120 (830) | 13,600 (6,170) | 11,850 (5,375) |
| **TITAN TT472** | | | | | | | | | | | |
| 10.00-20 NHS | 18 | 472224 | 130 (900) | 16,000 (7,260) | 12,200 (5,535) | 148 (1,020) | 14,850 (6,735) | 14,300 (6,485) | 123 (850) | 11,000 (4,990) | 9,570 (4,340) |
| 12.00-20 NHS | 20 | 4722A7 | 130 (900) | 19,900 (9,025) | 15,100 (6,850) | 144 (990) | 18,350 (8,325) | 17,700 (8,030) | 120 (830) | 13,600 (6,170) | 11,850 (5,375) |

## APPROVED RIM CONTOURS

| BIAS EARTHMOVING | | |
|---|---|---|
| Tire size | Recommended Rim | Approved Rims |
| 13.00-24TG (12 PR) | 9.00GR | 10.00VA, 8.00TG |
| 13.00-24TG (14 PR) | 8.00TG | 10.00VA |
| 13.00-24TG (16 PR) | 10.00VA | |
| 14.00-24TG (12 PR) | 9.00GR | 10.00VA, 8.00TG |
| 14.00-24TG (14 PR) | 8.00TG | 10.00VA |
| 14.00-24TG (16 PR) | 10.00VA | |
| 14.00-24NHS* | 10.00W | |
| 14.00-25NHS* | 10.00/1.5 | |
| LSW330-851 | 851x254LSW | |

* Tube Type

| PAVER/SAND | | |
|---|---|---|
| Tire size | Recommended Rim | Approved rims |
| 14.00-20DT | 10.00W | |
| 16.00-24DT | 10.00VA | |
| 18.00-25DT | 10.00/1.5 | |
| 21.00-25DT | 15.00/3.0 | |

| BIAS GRADER SERVICE | | |
|---|---|---|
| Tire size | Recommended Rim | Approved rims |
| 13.00-24TG (12 PR) | 9.00GR | 10.00VA, 8.00TG |
| 13.00-24TG (14 PR) | 8.00TG | 10.00VA |
| 13.00-24TG (16 PR) | 10.00VA | |
| 14.00-24TG (12 PR) | 9.00GR | 10.00VA, 8.00TG |
| 14.00-24TG (14 PR) | 8.00TG | 10.00VA |
| 14.00-24TG (16 PR) | 10.00VA | |
| 16.00-24TG (12 PR) | 10.00VA | 9.00GR |
| 16.00-24TG (14 PR & UP) | 10.00VA | |
| LSW 330-851 | 851x254LSW | |
| LSW 360-851 | 851x254LSW | |
| LSW 395-851 | 851x317LSW | |

| BIAS LOADER/DOZER SERVICES | | |
|---|---|---|
| Tire size | Recommended Rim | Approved rims |
| 400/70-20 | W14L | 14, 13, 13SDC |
| LSW 400-648 | 648x356LSW | |
| 21.00-25DT | 15.00/3.0 | |

| BIAS CONTAINER HANDLING | | |
|---|---|---|
| Tire size | Recommended Rim | Approved rims |
| 14.00-24NHS | 10.00W | |

| BIAS UNDERGROUND MINE/MATERIAL HANDLING | | |
|---|---|---|
| Tire size | Recommended Rim | Approved rims |
| 6.00-9NHS (6.90-9NHS) | 4.00E | |
| 6.50-10NHS | 5.00F | 5.50F |
| 7.50-10NHS (12 PR & BELOW) | 5.50F | 5.00F |
| 7.50-10NHS (14 PR & UP) | 6.00SP | 6.00ST |
| 7.00-12NHS | 5.00S | |
| 7.50-15NHS | 6.0 | 6.5 |
| 8.25-15NHS | 6.5 | 6.50BD |
| 9.00-20NHS | 7.0 | 7.5 |
| 10.00-20NHS | 7.5 | 8 |
| 11.00-20NHS | 8.0 | 8.5 |
| 12.00-20NHS | 8.5 | 8.0, 9.0 |
| 12.00-24NHS | 8.5 | 9 |
| 14.00-24NHS | 10.00W | |
| 29x8-15NHS | 5.5 | 5.50BD |
| 30x8-15NHS | 6.0 | 5.50BD, 5.5 |
| 32x12-15NHS | 9.75 | 9.75, 9.75BD |
| 35x15-15NHS** (16 PR & BELOW) | 10.50 | 11.00BD, 11.00 |
| 35x15-15NHS** (20PR & UP) | 11.50 | 11.00BD, 11.00 |
| 28x9-15NHS | 7.0 | 7.00BD |
| 28x12-15NHS | 9.75BD | |
| 32x15-15NHS** | 11.50 | 10.50, 11.00BD, 11.0 |
| 36x11-15NHS | 7.5 | 7.50BD |
| 44x18.00-20NHS | 15.00T | |
| 42x21.00-22NHS | 18.00 | |

** Tubeless

| BIAS FORESTRY | | |
|---|---|---|
| Tire size | Recommended Rim | Approved rims |
| 18.4-26 | DW16A | |
| 18.4-34 | DW16A | DW15A |
| 23.1-26 | DW20A | DW20B |
| 24.5-32 (12 PR & BELOW) | DH21 | DW21A, DW21B, DH21B, DH21H, DH21HB |
| 24.5-32 (16 PR & UP) | DH21 | DH21B, DH21H, DH21HB |
| 28L-26 | DW25A | DW25B |
| 30.5L-32 (12 PR & BELOW) | DH27 | DW27A, DW27B, DH27B, DH27H, DH27HB |
| 30.5L-32 (16 PR & UP) | DH27 | DH27B, DH27H, DH27HB |
| DH35.5L-32 | DH31 | DH31B, DH31H, DH31HB |
| 66x43.00-25NHS | 36.0TH | |
| 67x34.00-25NHS | 30.0TH | |
| DH73x44.00-32 | DH36 | DH36B, DH36H, DH36HB, 36DWM |
| DH73x50.00-32 | DH44 | DW44A, DW44B, WWDWM, DH44H, DH44HB, DH44B |

## APPROVED RIM CONTOURS CONTINUED

### RADIAL BACKHOE

| Tire size | Recommended Rim | Approved Rims |
|---|---|---|
| 340/80R18 | 11 | W10H, W11 |
| 400/70R18 | W13 | W12 |
| 440/80R24 | W14L | W15L |
| 440/80R28 | W14L | W15L |
| 460/70R24 | W14L | W15L |
| 480/80R26 | W15L | W16L, DW15A, DW16A |
| 500/70R24 | W16L | W15L, DW16A, W16A |
| 500/85R24 | W16L | W15L, DW16A, W16A |
| 540/70R24 | W16L | DW18A, W18L, W16A, DW16A |
| 19.5LR24 | DW16L | DW16A, W16A |

### BIAS BACKHOE

| Tire size | Recommended Rim | Approved Rims |
|---|---|---|
| 9.00-10HS | 6.00F (2-piece) | 5.50F (2- piece) |
| 11.00-16SL | W8L | 8LB, W10L, 10LB |
| 12.4-16 | W10L | 10LB |
| 14.9-24 | W13 | W12 |
| 16.9-24 | W15L | |
| 16.9-28 | W15L | W14L |
| 16.9-30 | W15L | DW15A, W14L, DW14A |
| 18.4-24 | W16L | W15L, W16A |
| 18.4-26 | DW16A | W15L, DW15A |
| 18.4-28 | W16L | W16A, W15L |
| 17.5L-24 | W15L | |
| 19.5L-24 (10 PR & BELOW) | DW16A | W16L, W15L |
| 19.5L-24 (12 PR & UP) | DW16A | |
| 11L-15SL | 8LB | 10LB |
| 11L-16SL | W8L | 8LB, W10L, 10LB |
| 21L-24 (10 PR & BELOW) | DW18A | W18L |
| 21L-24 (12 PR & UP) | DW18A | |
| 21L-28 (10 PR) | DW18A | W18L |
| 21L-28 (14 PR) | DW18A | DW18L |
| 480/45-17 | 16.00 | |
| 420/70-24 | W13 | W12, W14L |
| 14.5/75-16.1SL | 16.1xW11C | |
| 10.5/80-18 | W9 | 9, W8 |
| 12.5/80-18 | W9 | 11 |
| LSW495-762 | 30xDW15A | |
| LSW320-597 | 597x267LSW | |

### BIAS SKID STEER

| Tire size | Recommended Rim | Approved rims |
|---|---|---|
| 5.70-12NHS | 4.50I-70 | 4.50I-90, 5JA |
| 7.00-15SS | 5.50F | |
| 8.25-15NHS | 6LB | |
| 10-16.5NHS | 8.25 (15°) | |
| 12-16.5NHS | 9.75 (15°) | |
| 14-17.5NHS | 10.50 (15°) | |
| 15-19.5NHS | 11.75 (15°) | 12.25 (15°) |
| 18x8.50-10 | 7.00 I-55 | 7.00 I-70,I-90 |
| 20x8.00-10NHS | 7.00 I-70 | 6.00E, 7.00E, 7.00I-55, 7.00I-90 |
| 23x8.50-12NHS | 7.00 I-70 | 7.00 I-90, 7JA |
| 23x8.50-14NHS | 7.00 I-70 | 7.00 I-90, 7JA |
| 26x12.0-12NHS | 10.50 I-70 | 81/2JA, 10.50 I-90, 8.50 I-70, 8.50 I-90 |
| 27x8.50-15NHS | 7JA | |
| 27x10.50-15NHS | 8LB | |
| 27x12.5-15NHS | 10LB | |
| 28x8.50-15NHS | 7JA | |
| 30.5x12.00-16.5NHS | 9.75 (15°) | |
| 31x15.50-15NHS | 13LB | |
| 33x14.50-16.5NHS | 12.00 (15°) | |
| 33x15.50-16.5NHS | 12.00 (15°) | |
| 43x16.00-20NHS | W14LH | W14L |
| LSW265-521 | 521x210LSW | |
| LSW305-546 | 546x248LSW | |
| LSW350-597 | 597x267LSW | |
| LSW385-648 | 648x317LSW | |

** Tubeless

### BIAS COMPACTOR

| Tire size | Recommended Rim | Approved rims |
|---|---|---|
| 6.00-16NHS | 4.00E | 4.25KA, 4.50E |
| 8.5/90-15K | 5.50F | |
| 7.50-15NHS | 6.0 | 6.5 |
| 9.00-20NHS | 7.0 | 7.5 |
| 11.00-20NHS | 8.0 | 8.5 |

# TIRE HANDLING

**CAUTION DO NOT DAMAGE BEAD**

1. Do not insert forks inside wheel hole.
2. Lift with rope sling or round fork or padded forks having 6-inch minimum diameter **-OR-**
3. Lift on the outside circumference only.

# TIRE STORAGE

OTR Tires are designed to withstand the usage conditions of their respective application, but in order to achieve their full performance potential they must be maintained appropriately, which includes the condition in which they are stored in order to minimize the chance of experiencing an ozone/weather cracking condition.

The rubber compounds that are exposed to the atmosphere are formulated to resist deterioration caused by ozone. Although, said rubber compound properties evolve due to their service and storage conditions. Improper storage may result in various tire conditions to develop including weather/ozone cracking (also known as veneer cracking, dry rot, weather checking, or crazing).

In order to help avoid potential tire degradation, maximize tire performance, and ultimately prevent premature removals, Titan recommends the following best practices:

## Unmounted Tire or Mounted Tire/Wheel Assembly

### Area

- Indoor (preferred)
- Outdoors (if necessary):
  - Protect with an opaque waterproof covering with air vent openings to prevent creating a heat box or steam bath effect
- **AVOID:**
  - Storing near ozone generating sources which causes rubber to oxidize:
    - Sources of ozone include: Electric motors/machines, engine exhaust, welding equipment, battery chargers, transformers, and mercury vapor lamps. Other equipment that may produce sparks or electrical discharges should also be avoided.
    - Do not exceed an 0.08ppm ozone level
  - Exposure to volatile solvents/substances and/or petroleum based products:
    - Oil, fuels, lubricants, acids, disinfectants, and other chemicals should not be kept in storage room
  - Higher altitudes; this can accelerate tire degradation

### Temperature/Lighting

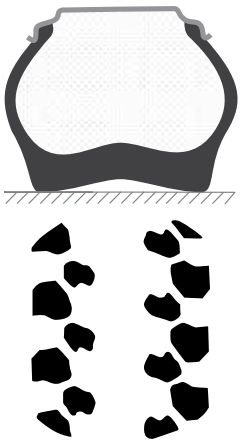
- Ideally, a storage temperature of approximately 72°F (22°C)) should be targeted
- **AVOID:**
  - Above 50°C (122°F) as this condition may be accelerated.
  - Direct contact with piping and radiators
  - Storing next to heaters, open flames, or other incandescent units
  - Direct sunlight
  - Strong artificial light with a high ultra-violet content

### Ground Surface Conditions:

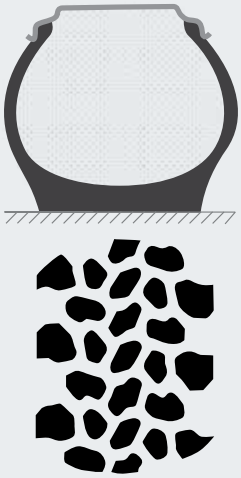
- Clean, cool, dry, dark, and well ventilated, but with minimal circulating air
- Store tires raised off the storage area's surface to minimize exposure to moisture or damage, such as on a pallet or a storage rack
- Pallets should be free of damage, protruding nails, and/or sharp burrs and have a flat, smooth surface to further avoid unwanted indentations to the tire
- Remove any water that has collected in an unmounted tire prior to mounting
- **AVOID:**
  - Placing on black asphalt or other heat absorbent surfaces
  - Storing adjacent to highly reflective surfaces (i.e. sand or snow covered ground)
  - Storing on piers or other open/unprotected areas

# INFLATION PRESSURE

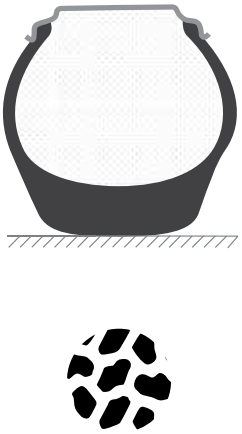
## Under Inflation



## Proper Inflation



## Over Inflation



## Lower & Mid Sidewall Awl Holes

Air/gas seeping through vent holes in the lower and mid sidewall is normal in any fabric working Off-The-Road (OTR) tire and should never be interpreted as the cause of internal tire inflation pressure loss.

### THE PURPOSE OF AWL HOLE

Fabric ply tires can build-up gases under pressure within the tire cord body. There can be several reasons for this build-up of intracarcass pressure in the tire casing:

- Air can be trapped in the tire casing during the tire building process. It is forced into the cords during curing, and is completely normal.
- Air can go into the casing during vehicle operation as no tire innerliner is totally resistant to air permeation. This happens regardless of innerliner gauge or material.
- Tests have shown that a working tire will build 25 to 35 lbs. pres sure in the carcass (Internal pressure within the actual plies).

In order to help OTR tires bleed air/gas from their casings, they are awled in the lower, mid, and/or upper sidewall only down to the plies. These awling holes allow this carcass pressure buildup to escape.

## How to Investigate Pressure Loss

The only way to properly investigate an air loss complaint is by checking air pressure daily. Depending on when tire air loss was first documented, follow the procedures below:

**If a drop in inflation pressure is recorded shortly after initial mount up, the following should be checked:**

- O-Ring
  - Fit and air retention capabilities
  - Was it pinched during installation?
  - Was it butted together and glued to create an O-Ring?
- Valve-Stem Hardware
  - Ensure all components are tight, including valve stem
  - Ensure the cap is on tight as it is the primary air seal. It also helps to prevent dirt, dust, and water damage to the core
- Proper bead seating
  - It can sometimes take several days to become fully seated
- Proper rim parts
  - Clean, not mixing manufacturers
  - Correct flange height for the tire
- If the above are inspected without issue, dismount the tire and check for anomalies
  - If an awl hole had been drilled through, it would lose air immediately

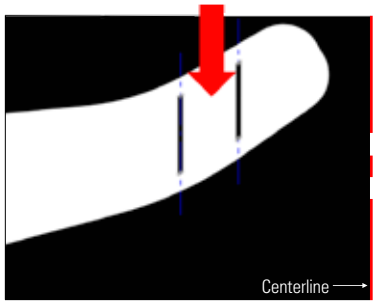
**If a drop in inflation pressure is recorded long after initial mount up, the following should be checked:**

- Look for a puncture in the tire, which could go through the innerliner
- O-Ring
  - Fit and air retention capabilities
    - In overload conditions, O-Rings can be pinched
- Valve-Stem Hardware
  - Make sure all components are tight, including valve stem
  - Ensure the cap is on tight as it is the primary air seal. It also helps to prevent dirt, dust, and water damage to the cores
- Check rim components for any signs of wear/failure

# MEASURING TREAD WEAR

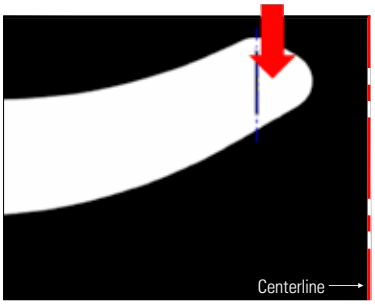
## Tires With Tread Depth Indicator

### Two Scribes



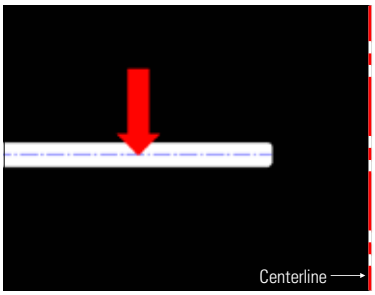

Measure in between scribes.

### One Scribe




Measure next to the scribe on centerline side.

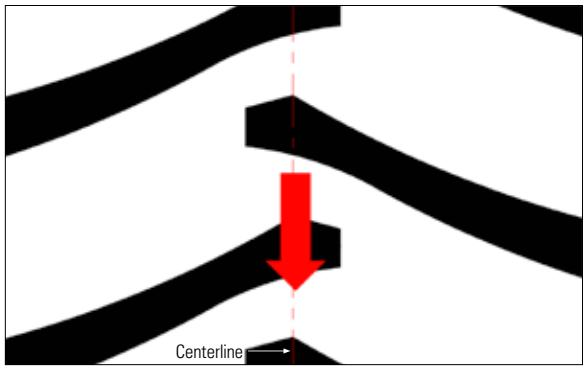
### Smooth Tires




Measure in indicator groove.

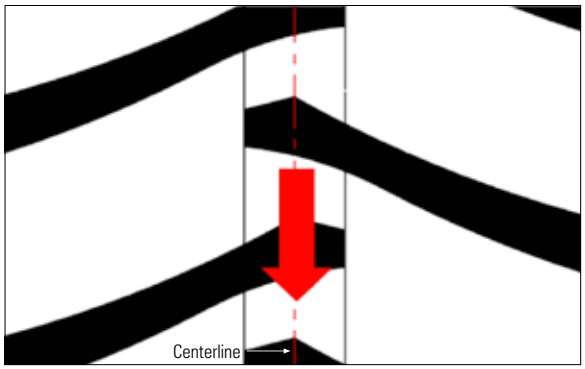
## Tires Without Tread Depth Indicator

### Logger Lug, LS 150, HK 458



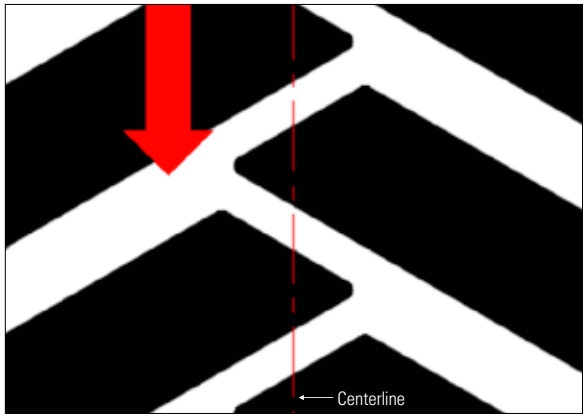

Open tread pattern tires measure at centerline. If there is a tie-bar at centerline, add the height of the tie-bar.

### Logger Lug YL33R3 & YL3R65



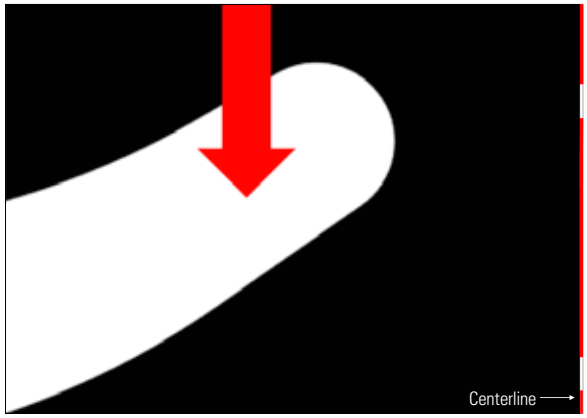

Logger Lug with tie-bar (YL33R3, YL3R65) measure at centerline and add 66/32 full depth

### Super LCM




Measure 1/3 width of tread from centerline.

### CH 150 & CM 150



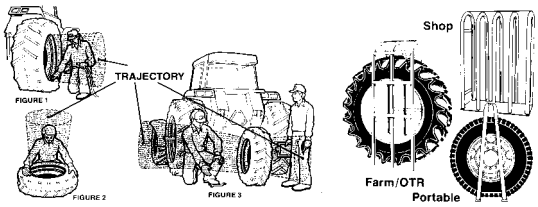

Measure, halfway between centerline and shoulder.

# IMPORTANT SAFETY INFORMATION

**⚠WARNING**

**To prevent SERIOUS INJURY or DEATH:**

- **ONLY specially trained personnel, using the proper procedures and tools, shall service tires.**
- **ALWAYS read and fully understand all procedures before tire/wheel servicing.**
- **ALWAYS STAND CLEAR of trajectory zone.**
- **ONLY assemble a tire and rim after you have positively identified and correctly matched the tire and rim diameter**
- **ALWAYS use a tire cage or other approved restraining devices when inflating tires.**
- **NEVER exceed the recommended inflation pressure on the sidewall of the tire you are inflating.**




Your employer is responsible for providing proper procedures and training for tire technicians. See Occupational Safety and Health Administration (OSHA), 29 CFR 1910.177, Servicing of Single Piece and Multi-Piece Rim Wheels.

Additional information go to www.titan-intl.com or call 1 (800) 872-2327

## 1. Personal Protective Equipment

ALWAYS wear adequate protective eye-wear (or face shield), protective footwear, and ear protection.

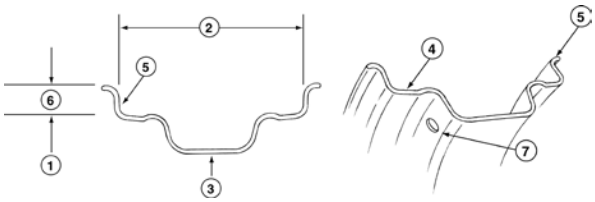
## 2. For all tires

- ALWAYS follow the blocking, jacking, or cribbing of the vehicle/equipment guidance provided by the vehicle/equipment manufacturer.
- ONLY use properly diluted tire lubricant (nonflammable vegetable or soap-based). NEVER use concentrated tire lubricant or it may not completely evaporate and residue could cause tire to slip. NEVER use petroleum based lubricants, silicone or antifreeze.
- NEVER use starter fluid, ether, gasoline, or other flammable materials and/or accelerants to lubricate the beads of a tire or there may be an explosive separation of the tire/wheel during servicing or during use.
- NEVER inflate over the maximum psi as indicated on each tire or the manufacturer's guidance.
- When seating tire beads, NEVER exceed the maximum psi for the tire or 40 psi for any multi-piece rim or 35 psi for single piece rim.
- NEVER stand, lean, or reach over the tire rim/wheel assembly in the tire cage or other approved restraining devices during inflation.

## 3. Single Piece Rims (Drop Center Rims)

### 3.1 Terminology

1. Rim Size (Nominal Bead Seat Diameter)
2. Rim Width
3. Rim Inside Dia.
4. Bead Seat Area
5. Flange
6. Flange Height
7. Valve Hole (Location and size can vary)




## 3. Single Piece Rims (Drop Center Rims)

### 3.2 Demounting

**Tools Required**

Cap and core removal tools, hydraulic bead unseating tool, two tire irons (36" if ON vehicle or 18" if OFF vehicle), wire and diluted tire lubricant.

| | | |
|---|---|---|
| 1. | Remove any fluid fill from tire. | |
| 2. | Always remove the valve core and exhaust all air. Use exhaust muffler if applicable. Check valve stem not plugged by inserting a wire through the valve stem. For tube type tires, remove the rim nut and push valve through valve hole. **NOTE:** ALWAYS deflate both tires, if ON vehicle AND vehicle has a dual tire assembly. | |
| 3. | Use hydraulic bead unseating tool between the tire bead and rim flange and force the bead off the bead seat. | |
| | **If ON vehicle:** Unseat bead on both sides of rim. | **If OFF vehicle:** Lay tire and rim down with the narrow ledge of the rim closer to the floor and unseat bead. Then turn tire and rim over with narrow ledge (or short side of rim) up and unseat bead. |
| 4. | Lubricate the tire bead area and rim flange with diluted tire mounting lubricant. | |
| 5. | **If ON vehicle:** Lock the wheel with the valve at the top. At the bottom, force the outside bead into the well. At the top, insert both 36" tire irons under the bead and pry the bead over the rim flange. | **If OFF vehicle:** Force the part of the bead that is directly across from the valve into the well. Starting at the valve, insert both 18" tire irons under the bead and pry the bead over the rim flange. |

CONTINUES ON NEXT PAGE

6. After the first section of the bead is over the rim flange, use one tire iron to pry the next section over the flange. Continue prying tire over rim flange until the entire tire bead is on the outside of the rim flange.
**NOTE:** DO NOT attempt to pry too large a section of the bead over the rim flange at one time. Leave one tool in position and place the second about five (5) inches away. Repeat in successive steps until the tire bead is completely unseated. Avoid extremely hard prying, which will damage the tire bead.

7. For tube-type tires, pull the tube out of the casing, starting at the bottom.
**If OFF vehicle:** bring tire and rim upright position before pulling tube out of the tire.

   If only the tube requires repair or replacement, the tube can be removed, repaired, and replaced in the tire without removing the tire completely from the wheel. Before reinstalling the tube, thoroughly inspect the inside of the tire for damage or other foreign material. Remove any remaining fluid from inside the tire.

8. To completely remove the tire from the rim:

| **If ON vehicle:** | **If OFF vehicle:** |
|---|---|
| Insert tire irons under the inside bead at the side of the tire. Pry the inside bead over the rim flange. Before starting, check the bead area on the opposite side of the tire is down in the well of the rim. | Turn assembly over so the narrow ledge is closer to the ground and lubricate the second tire bead and rim flange. Before starting, check the bead area on the opposite side of the tire is down in the well of the rim and insert the tire irons under the opposite side of the bead. |

## 3.3 Mounting

**⚠WARNING**

**To prevent SERIOUS INJURY or DEATH:**

- **ALWAYS check the tire matches the rim diameter designation. NEVER mount a tire that is too large or too small for the rim. Rims of different diameters and tapers CANNOT be interchanged.**
- **ALWAYS remove water and foreign material from tire.**
- **INSPECT rim for damage, pitting from corrosion, cracks or if bent out of shape. If damage is found, DO NOT use. Mark or tag as unserviceable and remove from service area.**
- **INSPECT tubes and tires for excessive wear, cracks, tears, punctures, blisters, or other damage. DO NOT use if damage is found. Replace with good tube or tire.**

### Tools Required

Two tire irons (36" if ON vehicle or 18" if OFF vehicle), diluted tire lubricant, wire brush, locking pliers, rubber mallet, valve retrieval tool (tube-type tires), extension hose with in-line gauge and clip-on air chuck, air/water inflation gauge, tire cage or other approved restraining devices.

1. Use a wire brush to clean and inspect rim for fatigue cracks.

   ⚠ **If damage is found, DO NOT use. Mark or tag as unserviceable and remove from service area. Replace any cracked, badly worn, damaged and severely rusted rims or wheels. Do not attempt to rework, weld, heat, or braze any rim base or wheel components under any circumstances.**

   Coat the rim with paint or a rust inhibitor if necessary. Follow procedures and safety precautions of the paint manufacturer.

2. Thoroughly lubricate both tire beads and rim flanges with diluted tire mounting lubricant.

3.

| **If ON vehicle:** | **If OFF vehicle:** |
|---|---|
| Before placing tire on rim, check valve hole is at the bottom of wheel. Check directional tread tires are mounted for correct rotation direction. To put the tire on the wheel, place the inner bead over the flange at the top. Check bead is not "hung up" on bead seat; instead the bead is in the rim well, while the tire irons and/or rubber mallet are used to work the first bead over the rim. | Lay the rim on the floor with the narrow ledge on the top. Check directional tread tires are mounted for correct rotation direction. Push the bottom bead over the rim flange as far as possible. Use 18" tire irons to work the first tire bead completely over the rim flange, taking small bites and being careful not to damage the bead. |

4. For tubeless tires, skip to step 7. For tube type tires:

| **If ON vehicle:** | **If OFF vehicle:** |
|---|---|
| With the first bead on the rim, pull the tire toward the outside of the rim as far as possible to make room for the tube. Be sure valve is at the bottom of the wheel. Align the stem with the valve hole and starting at the bottom, insert tube into tire. Place the valve in valve hole and screw the rim nut in place. The tube should be partially inflated and areas contacting the rim should be re-lubricated to prevent localized stretching Check tube is inside rim before proceeding. | Partially inflate the tube and insert it into the tire casing with the valve located near the valve hole in the rim. Attach a valve retrieval tool to the valve and thread the tool through the valve hole. **NOTE:** You may want to use a block to raise the tire to make it easier to insert the tube. |

5. Starting opposite the valve, use the tire irons to lift the outer bead up and over the rim flange, then down into the rim well. Be careful not to pinch the tube.
**If OFF vehicle,** locking pliers may be used to prevent tire slipping off the back of the rim.

6. Centering of the tire and rim assembly is extremely important to prevent broken beads.
**If ON vehicle,** with the valve stem at the bottom, lower the jack until the tire is centered on the rim.

7. Place a tire cage or other approved restraining devices over the rim and tire. Using an extension hose with an in-line air gauge and clip-on chuck (with valve core removed), inflate the tire to seat the beads.

   ⚠ **NEVER inflate over the maximum psi as indicated on each tire or the manufacturer's guidance. When seating tire beads, NEVER exceed the maximum psi for the tire or 35 psi for single piece rim.**

   Check for concentric centering of tire on rim. For tubeless tires, successful mounting depends on how well the shape of the tire has been maintained. If the beads are in or near their molded position, they can be seated by inflating the tire, through the valve. Where the beads have been squeezed together, the use of an inflator ring (either horizontally or vertically) will be required to provide a seal between the tire bead and rim.

   **If assembly is incorrect, – STOP – DEFLATE – CORRECT THE ASSEMBLY – repeat procedure.**

8. If ON vehicle: raise vehicle and rotate wheel assembly so valve at the top (12 o'clock position).
If the tire is tube-type, completely deflate by removing the valve core housing to remove buckles and uneven stresses from the tube and flap before re-inflation.

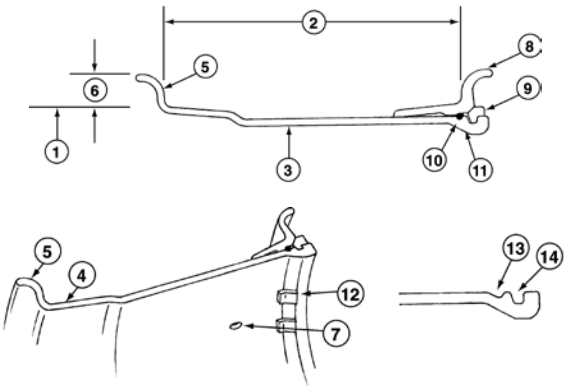
9. If assembly is correct, re-insert the valve core (for tube-type tires) and continue to inflate to recommended pressure

10. Remove tire cage or other approved restraining devices.

# 4. Three Piece Rims

## 4.1 Terminology

1. Rim Size (Nominal Bead Seat Diameter)
2. Rim Width
3. Rim Inside Dia.
4. Bead Seat Area
5. Flange-Fixed
6. Flange Height
7. Valve Hole (Location and size can vary)
8. Flange-Removable (Side Ring)
9. Lock Ring
10. O-Ring (For tubeless application only)
11. 28˚ Mounting Bevel
    (utilized for demountable application only)
12. Rim Stop Plate (Used for demountable application only; size, shape and location can vary.)
13. O-Ring Groove
14. Lock Ring Groove
15. Gutter Portion of Rim




## 4.2 Demounting

### Tools Required

One (1) straight tire iron, two (2) gooseneck tire irons, hydraulic bead unseating tool, diluted tire lubricant, wire and valve core removal tool.

| | |
|---|---|
| 1. | **If OFF vehicle:** place the assembly on block on the floor with loose side flange side up. |
| 2. | Drive the goose-necked end of two gooseneck tire iron tools between the tire and side flange about five (5) inches apart. |
| 3. | Pry both tools down and out. Leave one tool in position and place the second about five (5) inches away. Repeat in successive steps until the tire bead is completely unseated |
| 4. | After the tire bead is unseated, stand on side flange and tire sidewall to depress the side flange down along the rim base. Pry the lock ring loose, starting at the split then remove the lock ring. |
| 5. | Hold the side flange down with hooked end of gooseneck tire iron to remove the "O" ring from ring groove. Cut and discard the "O" ring and replace with a new "O" ring. |
| 6. | Remove the side flange. |
| 7. | Turn tire and rim over and unseat second bead by inserting both gooseneck tire iron tools between tire and fixed rim flange as in step 3. Repeat steps 2 and 3 until the tire bead is completely broken loose from the rim on the fixed flange side. Lift rim base out of tire. |

## 4.3 Mounting

**⚠WARNING**

**To prevent SERIOUS INJURY or DEATH:**

- **ALWAYS check the tire matches the rim diameter designation. NEVER mount a tire that is too large or too small for the rim. Rims of different diameters and tapers CANNOT be interchanged..**
- **ALWAYS remove water and foreign material from tire.**
- **INSPECT rim for damage, pitting from corrosion, cracks or if bent out of shape. If damage is found, DO NOT use. Mark or tag as unserviceable and remove from service area.**
- **INSPECT tubes and tires for excessive wear, cracks, tears, punctures, blisters, or other damage. DO NOT use if damage is found and replace with good tube or tire.**

### Tools Required

Two tire irons (36" if ON vehicle or 18" if OFF vehicle), diluted tire lubricant, wire brush, locking pliers, rubber mallet, valve retrieval tool (tube-type tires), extension hose with in-line gauge and clip-on air chuck, air/water inflation gauge, tire cage or other approved restraining devices.

| | |
|---|---|
| 1. | Use a wire brush to clean the rim base and all components thoroughly. Clean all dirt and rust from inter-locking faces of multi-piece rim components, particularly the gutter sections that hold the lock ring and "O" ring in place. |
| 2. | Inspect rim base and wheel components for cracks, wear, corrosion and damage.<br>⚠ **• If damage is found, DO NOT use. Mark or tag as unserviceable and remove from service area.**<br>**• Inspect all wheel components to verify the components meet the manufacturer's standards.**<br>**• Replace any cracked, badly worn, damaged and severely rusted parts and rims.**<br>**• Do not attempt to rework, weld, heat, or braze any rim base or wheel components under any circumstances.**<br>Verify the replacement parts are the correct size, type and manufacturer for the wheel to be assembled. |
| 3. | Coat the rim with paint or a rust inhibitor if necessary. Follow procedures and safety precautions of the paint manufacturer. |
| 4. | Inspect tire for wear, cracks, tears, punctures and other damage. Tires with excessive or uneven wear, cracks, tears, punctures, blisters or other damage may explode during inflation or service.<br>⚠ **If damage is found, DO NOT use. Mark or tag as unserviceable and remove from service area. Tire should be destroyed and replaced with good tire of correct size, type and manufacturer for assembly, machine, and application.**<br>**If concerned about the condition of the rim base, wheel components, or tire - STOP - contact the manufacturer or distributor for assistance.** |
| 5. | Install valve on rim. Follow valve manufacturer's recommendations and installation instructions. |
| 6. | **IF OFF vehicle:** place rim base on blocks with fixed flange side down.<br>Lubricate both bead seats with diluted tire lubricant. Place tire over rim base. |
| 7. | Double check the parts and rim base are all compatible. Place side flange over rim base and push straight down with hands as far as possible. Make sure side flange does not bind on rim base. |

CONTINUES ON NEXT PAGE

8. Lubricate a new rubber "O" ring. Place "O" ring in groove on one side. Stretch "O" ring and snap it into place. DO NOT roll "O" ring into place.
Lubricate the entire "O" ring area.
For 20" bead diameter and larger or flat base rims, ONLY use water to lube the bead and rim flange areas.
**NOTE:** You may need to hold the side flange down with the flat end of a gooseneck tire iron to expose the "O" ring groove.

9. Stand on side flange to position it below both grooves in the rim base and snap lock ring into lock ring (upper) groove. Check lock ring is installed with the correct side facing you.

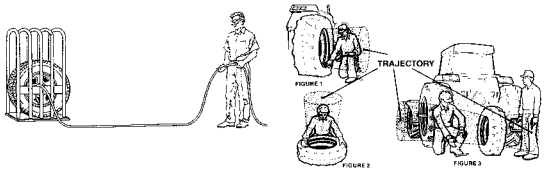
10. Check components are correctly assembled and lock ring is fully seated in gutter.
When a driver key is used, make sure the gap in the lock ring is at least 6" away from the driver key.

11. Place rim and tire in a tire cage or other approved restraining devices during tire inflation. Use a clip-on chuck with an in-line pressure gauge and enough hose so you can stay away from the potential trajectory danger zone.

    WITH VALVE CORE REMOVED: Inflate to approximately 3 psi and check for proper engagement of all components.

    If assembly is correct, install valve core and inflate to recommended pressure.

    **If assembly is incorrect, STOP – DEFLATE – CORRECT THE ASSEMBLY – AND REPEAT PROCEDURE.**




**Never attempt to align or seat side flange, lock ring or other components by inflation, hammering, welding, heating or brazing.**

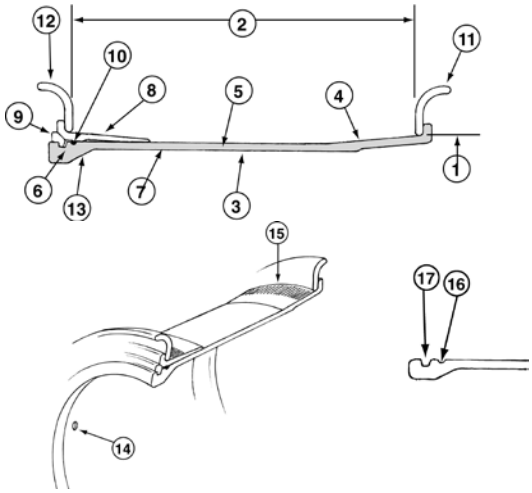
**Never inflate beyond manufacturer's recommended tire pressure.**

12. Remove tire cage or other approved restraining devices.

## 5. Five Piece Rims

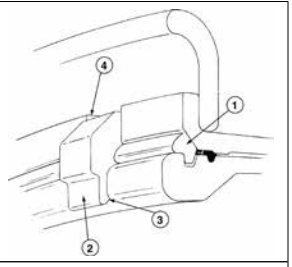
### 5.1 Terminology

1. Rim Size (Bead Seat Diameter)
2. Rim Width
3. Rim Inside Dia.
4. Back Flange Portion of Rim Base
5. Center Band Portion of Rim Base
6. Gutter Band Portion of Rim Base
7. Rim Base (Entire Shaded Area)
8. Bead Seat Band (Removable, Gutter Side only)
9. Lock Ring
10. O-Ring
11. Flange, Inner (Removable)
12. Flange, Outer (Removable) *Note: Inner and Outer Flanges are identical
13. 28° Mounting Bevel
    (Utilized for demountable application only)
14. Valve Hole (Location, size and configuration can vary)
15. O-Ring Groove
16. Knurl (Located on Back Flange Portion of Rim Base and Bead Seat Band tire mating surfaces)
17. Lock Ring Groove (size and shape can vary depending on style of lock ring)
18. Pry Bar Pocket [not shown] (continuous gap entire circumference on some items)



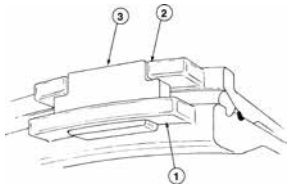

**Crimped on Style Driver**

1. Lock Ring
2. Crimped on driver
3. Notch in gutter portion of rim
4. Notch in bead seat band



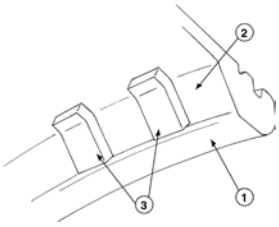

**Loose Style Driver**

1. Gutter Portion of Rim Base
2. 28° Mounting Bevel
3. Rim Stop Plates (location, style and size can vary)

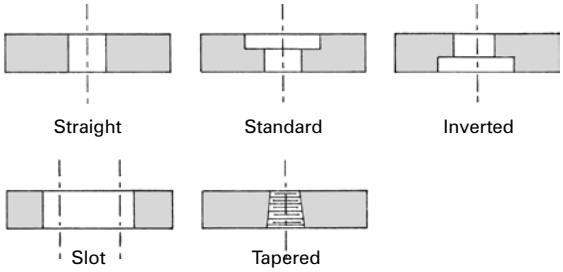



**Demountable Type Rims**

1. Driver Pocket (welded on gutter portion of rim base)
2. Driver Pocket (welded on bead seat band)
3. Driver Key – See Outboard Driver Keys.

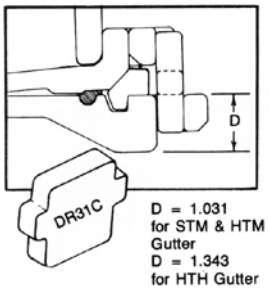



**Valve Hole Styles**

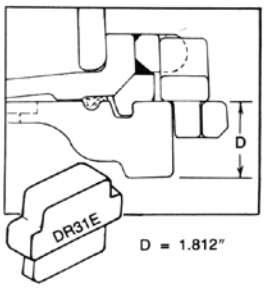


## 5.1.1 Driver Keys

Driver Keys are used on rims in high torque and/or low inflation pressure applications to help prevent circumferential movement of the rim components. Look for an "M" or "L" near the end of the style designation (part number).

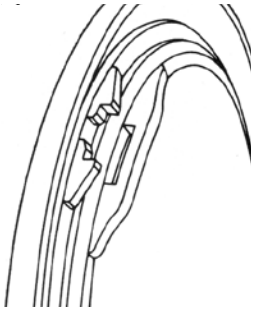



The DR31C driver key is used on rim bases with 1.0" and 1.3" approximate thickness gutter sections; basic styles STM, HTM, HTHM and HTHL.

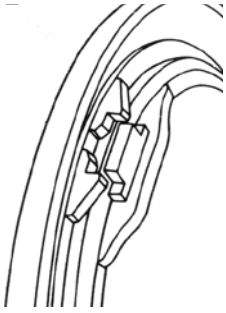



The DR31E driver key is used on rim bases with the 1.8" approximate thickness gutter section; basic style HTEL.

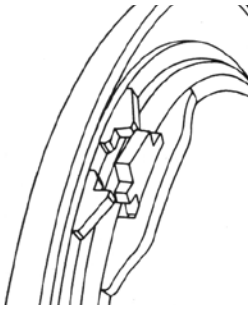
1. Align driver pockets in bead seat band and base.



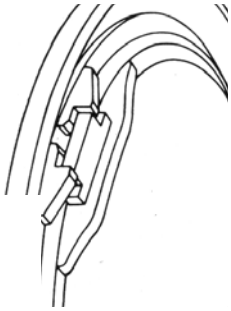
2. Inset driver key into driver pocket on base.



3. Make certain all parts are aligned properly, as shown, before inflation.



4. The bead seat band and pocket will move out and lock the driver key during inflation.



## 5.1.2 Titan "W" Series Rims

**ALWAYS check part numbers carefully before rim assembly. Titan's "W" series lock rings are NOT INTERCHANGEABLE with other types.**

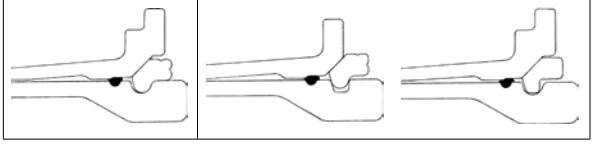
### Correct Assembly:

"W" style lock ring with grooves assembled with "W" style rim base.

### Examples of Improper Assembly:

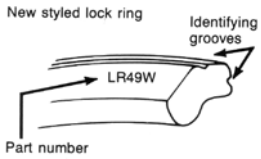
**DO NOT USE** a "W" lock ring with old rim base or an older lock ring with "W" style rim base.
Both will have poor fit and a gap between lock ring and gutter.

**ALWAYS reassemble using proper components.**



### "W" Style Lock Ring

A "W" appears after the part number, which is stamped on the 45 degree face near the lock ring split (e.g. LR49W for a 49" rim).
A circumferential groove gives the ring a unique appearance. This lock ring can only be used with the new "W" style gutters.




### "W" Style Rim Base

There are two types of rim bases: older versions contain a "T" in the part number and newer versions contains a "W."
A caution is stamped on the faces of the "W" style rim base to only use with a "W" style lock ring.

| OLD | NEW |
|---|---|
| B1735HTHGD | B1735RWHGD |
| B3239HTEL | B3239RWEL |

### Bead Seat Bands

There are two types of bead seat bands: older versions contain an "H" in the part number and newer versions contain an "R."
The R and H Bead Seats are interchangeable.

| OLD | NEW |
|---|---|
| BB49HTG | BB49RTG |
| BB39HTL | BB28RTL |

## 5.2 Demounting

### Tools Required

**If ON vehicle:** Lifting device or boom truck, hydraulic bead unseating tool, gooseneck tire iron, straight tire iron, wire and valve core removal tool.

**If OFF vehicle:** Hydraulic bead unseating tool, two (2) straight tire irons, valve core removal tool, wire and a screwdriver.

| If ON vehicle | | If OFF vehicle | |
|---|---|---|---|
| 1. | Jack, crib and block the vehicle/equipment per the manufacturer's instructions. | 1. | Place the assembly gutter side up on blocks. |

CONTINUES ON NEXT PAGE

| If ON vehicle | If OFF vehicle |
|---|---|
| 2. Always completely deflate tire (and both tires of a dual assembly) by removing valve core(s) from valve(s). Check the valve stem by running a piece of wire through the stem to make sure it is not plugged. | 2. Always completely deflate tire by removing valve core from valve. Check the valve stem by running a piece of wire through the stem to make sure it is not plugged. |
| 3. Place the hook of the hydraulic demounting tool into one of the pry bar pockets. A continuous lip is provided on some bases. Adjust the ram adjusting screw to enable the tool to be perpendicular to the wheel when under pressure. | 3. Remove the lock ring, using two tire irons. **NOTE:** If this is not possible, the tire bead may be unseated as shown in step 4 with the lock ring and "O" ring in place. These items must be removed before removal of bead seat bands and flanges in step 7. |
| 4. Apply pressure and depress the flange about 3/4." If necessary, release the pressure to readjust the tool. Place the end of the gooseneck tire iron between the flange and the lip of the bead seat band and release the pressure. Then place the hook of the hydraulic demounting tool under the lip of the bead seat band and continue the procedure around the rim; then slowly apply pressure until the tire bead is COMPLETELY unseated. | 4. Remove the "O" ring by prying the bead seat band back and inserting a pry bar or screwdriver under the "O" ring and pulling it from the groove. ALWAYS cut and discard the "O" ring and replace with a new "O" ring. |
| 5. Remove Driver Key if present – see Driver Key | 5. Place hook of the hydraulic demounting tool into one of the pry bar pockets. A continuous lip is provided on some bases. Adjust the ram adjusting screw to enable the tool to remain vertical when under pressure. In some cases, the pressure foot may have to be removed to ensure a good hold. If necessary, release pressure and readjust the ram adjusting screw. Depress flange about 1⁄2"-3⁄4" and place a nut or similar object between the flange and the lip of the bead seat band by laying it on the rim flange and sliding it into position with a screwdriver. |
| 6. Remove the lock ring with a pry bar, starting near the split and working around the ring. | 6. Release the pressure and move about 2 feet around the rim or to the next pocket for the second bite. Continue the procedure until the tire bead is unseated.<br><br>Do not use tool in the vicinity of the butt weld area of the bead seat band, the flanges, or rim base. |
| 7. Remove the "O" ring by prying the bead seat band back and inserting a pry bar or screwdriver under the "O" ring and pulling it from the groove. ALWAYS cut and discard the "O" ring and replace with a new "O" ring. | 7. Remove bead seat band using hoist or pry bars. |
| 8. Use a gooseneck tire iron under the flange to pry the bead seat band loose, with assistance of lifting device, carefully lower the bead seat band to the ground and roll it out of the way. | 8. Remove outer flange using a hoist or pry bars. |
| 9. With assistance or a lifting device, remove the outer flange, then carefully lower it to the ground and roll it out of the way. | 9. Turn assembly over and repeat tire bead unseating procedure on the backside. (Steps 4 & 5) |
| 10. To unseat the inner tire bead, use either the hydraulic demounting tool as used on the outer bead or a shorty ram between the frame of the vehicle and the back flange. | 10. Lift rim base from tire using hoist. |
| 11. Remove the tire using a boom truck and sling or a tire handler. Remove the inner flange to complete the disassembly. | 11. Remove inner flange. **NOTE:** You may want to use a more powerful hydraulic demounting tool with a longer stroke. Use caution to avoid bending the flange or breaking the butt weld. Follow procedure outlined in step 5. |

## 5.3 Mounting

**⚠ WARNING**

**To prevent SERIOUS INJURY or DEATH:**

- **ALWAYS check the tire matches the rim diameter designation. NEVER mount a tire that is too large or too small for the rim. Rims of different diameters and tapers CANNOT be interchanged.**
- **ALWAYS remove water and foreign material from tire.**
- **INSPECT rim for damage, pitting from corrosion, cracks or if bent out of shape. If damage is found, DO NOT use. Mark or tag as unserviceable and remove from service area.**

### Tools Required

Lifting device or boom truck, One (1) straight tire iron, two (2) gooseneck tire irons, approved tire lubricant, rubber mallet, extension hose with in-line gauge and clip-on air chuck, air/water inflation gauge, tire cage or other approved restraining devices.

| | |
|---|---|
| 1. | Use a wire brush to clean the rim base and all components thoroughly. Clean all dirt and rust from inter-locking faces of multi-piece rim components, particularly the gutter sections that hold the lock ring and "O" ring in place. |

CONTINUES ON NEXT PAGE

| | |
|---|---|
| 2. | Inspect rim base and wheel components for cracks, wear, corrosion and damage.<br>• **If damage is found, DO NOT use. Mark or tag as unserviceable and remove from service area.**<br>• **Inspect all wheel components to verify the components meet the manufacturer's standards.**<br>• **Replace any cracked, badly worn, damaged and severely rusted parts and rims.**<br>• **Do not attempt to rework, weld, heat, or braze any rim base or wheel components under any circumstances.**<br>Verify the replacement parts are the correct size, type and manufacturer for the wheel to be assembled. |

| If ON vehicle | | If OFF vehicle | |
|---|---|---|---|
| 3. | Position the outer flange on the rim base with the help of the boom. | 3. | Place rim base on blocks (4" to 6" high) on floor, gutter side up. Place inner flange on rim base and lubricate tire beads. Place tire on rim using tire handler or hoist with sling. |
| 4. | Place the bead seat band on the rim base with the help of the boom. Be sure driver pocket on bead seat band lines up with pocket on rim base. | 4. | Depress the tire so the lower tire bead is driven onto the back 5˚ Bead Seat taper on the rim. This will expose more of the gutter at the upper side of the rim base. |
| 5. | Use the boom to hold the rim components out of the way. Place a new, lubricated "O" ring into the "O" ring groove, then lubricate the entire "O" ring area with diluted tire lubricant. Snap "O" ring into place by placing in groove on one side, stretching like rubber band and seating on opposite side. | 5. | Place the outer flange over the rim base on the tire. |
| 6. | Start the lock ring in the lock ring groove and push or walk it into place. When a driver key is used, make sure the gap in the lock ring is at least 6" away from the driver key. | 6. | Place the bead seat band on the rim base. If present, driver pockets must be aligned. Due to limited clearance between bead seats and rim base, bead seat band will bind if cocked slightly. Band should slide freely over base.<br>**DO NOT hammer bead seat band into place!**<br>If necessary, remove and re-install, or use mallet to tap, lightly upward on the bead seat band to seat properly. |
| 7. | Check components (lock rings, bead seat and flanges) to make sure the parts are correctly assembled.<br>NOTE: Lock rings should be fully seated in gutter around the circumference. Insert Driver Key – see Driver Key section. | 7. | Place a new, lubricated "O" ring into the "O" ring groove, then lubricate the entire "O" ring area with diluted tire lubricant. Snap "O" ring into place by placing in groove on one side, stretching like rubber band and seating on opposite side. |

| If ON vehicle | If OFF vehicle | |
|---|---|---|
| | 8. | Start the lock ring in the lock ring groove and push or walk it into place. When a driver key is used, make sure the gap in the lock ring is at least 6" away from the driver key. |
| | 9. | Insert Driver Key as required in pockets. |

### For ON and OFF vehicle

Place rim and tire in a tire cage or other approved restraining devices during tire inflation. Use a clip-on chuck with an in-line pressure gauge and enough hose so you can stay away from the potential trajectory danger zone.

**WITH VALVE CORE REMOVED:** Inflate to approximately 3 psi and check for proper engagement of all components.

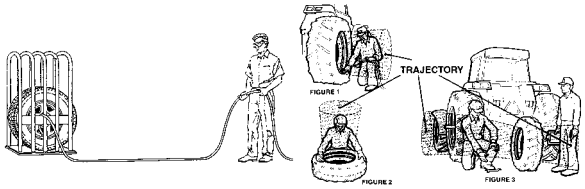
If assembly is correct, install valve core and inflate to recommended pressure.

**If assembly is incorrect, STOP – DEFLATE – CORRECT THE ASSEMBLY – AND REPEAT PROCEDURE.**

Never attempt to align or seat side flange, lock ring or other components by inflation, hammering, welding, heating or brazing.

Never inflate beyond manufacturer's recommended tire pressure.

Then remove tire cage or other approved restraining devices.




## 6. Additional Resources

Occupational Safety and Health Administration (OSHA), https://www.osha.gov/

- 29 CFR 1910.177, Servicing of Single Piece and Multi-Piece Rim Wheels
- Demounting and Mounting Procedures for Tube-type Truck and Bus Tires Chart – Tire Chart (OSHA 3402)
- Demounting and Mounting Procedures for Tubeless Truck and Bus Tires Chart – Tire Chart (OSHA 3401)
- Multi-Piece Rim Matching Chart – Tire Chart (OSHA 3403 - 2011)
- Servicing Multi-Piece and Single – Piece Rim Wheels 29 CFR 1910.177 Manual – Tire Chart (OSHA 3421 - 2014)

U.S. Tire Manufacturers Association, https://www.ustires.org/publications

- Care and Service of Commercial Truck and Bus Tires
- Demounting and Mounting Procedures for Passenger and Light Truck Tires Wall Chart

Tire Industry Association, https://www.tireindustry.org

- Basic Earthmover Tire Service (ETS) Training Kit
- Basic Farm Tire Service Training Kit
- OTR Tire Mount/Demount Training Program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