OTANI®

DRIVING CONFIDENCE

# OFF THE ROAD TIRE

CATALOG 2025

## 1964

Otani Group founded by Dr.Kiatichai Limpichotipong. He started tire business by open the small tire shop in Ubon Ratchathani in the Northeast of Thailand.

## 1974

Dr.Kiatichai Limpichotipong moved to his hometown, Nakhon Pathom and opened the retread tire company's name "PARATIRE".

## 1986

Founded "Otani Tire Co., Ltd." to manufacture bias ply tires.

## 2007

Incorporated Otani Radial Co., Ltd. to manufacture radial tires for truck and bus.

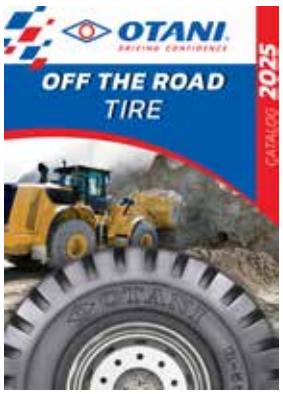
## 2017

In September 2017 Otani Radial started commercial run of PCR production.

## OTANI GROUP PROFILE

| | |
|---|---|
| Name : | Otani Tire Company Limited |
| Products : | Agricultural Tires (Bias/Radial) |
| | Off the Road Tires |
| | Bias Truck and Bus Tires |
| Incorporation : | 1986 |
| Paid-up capital : | THB 500 Million |
| Address : | 55 Mu 7 Phetkasem Road KM.37, Khlongmai, Sam Phran, Nakhon Pathom 73110 Thailand |

| | |
|---|---|
| Name : | Otani Radial Company Limited |
| Products : | Passenger Car Radial Tires |
| | Truck and Bus Radial Tires |
| Incorporation : | 2007 |
| Paid-up capital : | THB 3,000 Million |
| Address : | 96 Mu 3 Rimklongbanrai Road, Bangkaew, Nakhon Chai Si, Nakhon Pathom 73120 Thailand |



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MU-800 | MV-811 | MV-911 | RK-210 | RK-211 | RK-214 | US-42 | US-43

## MILITARY SERVICE TIRE

| RIM DIAMETER | TIRE SIZE | PR | PATTERN | TYPE | STANDARD RIM WIDTH | INFLATION PRESSURE | | | MAXIMUM LOAD | INFLATED DIMENSION (mm) | | TREAD DEPTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | (Inch) | (psi) | (kPa) | (Kgf/cm²) | (kg) | SECTION WIDTH | OVERRALL DIAMETER | (mm) |
| 16.5" | 36x12.5-16.5 LT | 8 | MV-911 | TL | 9.75 | 50 | 345 | 3.52 | 1650 | 315 | 905 | 15 |
| | 37x12.5-16.5 LT | 8 | MV-811 | TL | 9.75 | 50 | 345 | 3.52 | 1745 | 315 | 930 | 15 |
| | | 8 | MV-911 | TL | 9.75 | 50 | 345 | 3.52 | 1745 | 318 | 955 | 18 |
| 20" | 9.00-20 | 12 | MU-800 | TL | 7.50 | 96 | 660 | 6.75 | 2360 | 260 | 1030 | 15 |
| | 11.00-20 | 12 | MU-800 | TL | 8.00 | 85 | 585 | 5.98 | 2725 | 300 | 1098 | 16 |
| | | 16 | MU-800 | TL | 8.00 | 115 | 795 | 8.09 | 3350 | 301 | 1098 | 16 |
| 21" | 14.5-21 | 12 | G-47 | TL | 11.00 | 84 | 580 | 5.91 | 3950 | 418 | 1230 | 20 |

## SKID STEER TIRE

| RIM DIAMETER | TIRE SIZE | PR | PATTERN | TYPE | STANDARD RIM WIDTH | MAXIMUM SPEED | INFLATION PRESSURE | | | MAXIMUM LOAD | INFLATED DIMENSION (mm) | | TREAD DEPTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | (Inch) | (km/h) | (psi) | (kPa) | (Kgf/cm²) | (kg) | SECTION WIDTH | OVERRALL DIAMETER | (mm) |
| 16.5" | 10-16.5 NHS | 10 | RK-210 | TL | 8.25 | 40 | 75 | 515 | 5.27 | 2135 | 258 | 800 | 30 |
| | | 12 | RK-210 | TL | 8.25 | 40 | 90 | 620 | 6.33 | 2375 | 265 | 805 | 30 |
| | | 8 | RK-214 | TL | 8.25 | 40 | 60 | 415 | 4.22 | 1880 | 258 | 777 | 18 |
| | | 10 | RK-214 | TL | 8.25 | 40 | 75 | 515 | 5.27 | 2135 | 265 | 779 | 18 |
| | 12-16.5 NHS | 14 | RK-211 | TL | 9.75 | 40 | 90 | 620 | 6.33 | 3075 | 303 | 850 | 34 |
| | | 12 | RK-214 | TL | 9.75 | 40 | 80 | 550 | 5.62 | 2865 | 317 | 827 | 19 |
| 17.5" | 14-17.5 NHS | 12 | RK-214 | TL | 10.50 | 40 | 65 | 450 | 4.57 | 3430 | 347 | 905 | 19 |
| | | 14 | RK-214 | TL | 10.50 | 40 | 80 | 550 | 5.62 | 3875 | 355 | 909 | 19 |
| 19.5" | 15-19.5 NHS | 14 | RK-214 | TL | 12.25 | 40 | 70 | 485 | 4.92 | 4565 | 400 | 1020 | 19 |

## FORKLIFT - PNEUMATIC TIRE

| RIM DIAMETER | TIRE SIZE | PR | PATTERN | TYPE | STANDARD RIM WIDTH | INFLATION PRESSURE | | | LOAD CAPACITY (kg) @25 km/h | | INFLATED DIMENSION (mm) | | TREAD DEPTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | (Inch) | (psi) | (kPa) | (Kgf/cm²) | LOAD WHEEL | LOAD STEER | SECTION WIDTH | OVERRALL DIAMETER | (mm) |
| 21" | 28x9-15 (8.15-15) | 14 | UP-42 | TT | 7.00 | 140 | 965 | 9.84 | 3075 | 2280 | 220 | 710 | 18 |

## FORKLIFT - SOLID TIRE

| RIM DIAMETER | TIRE SIZE | PATTERN | STANDARD RIM WIDTH | LOAD CAPACITY (kg) @25 km/h | | INFLATED DIMENSION (mm) | | TREAD DEPTH |
|---|---|---|---|---|---|---|---|---|
| | | | (Inch) | LOAD WHEEL | LOAD STEER | SECTION WIDTH | OVERRALL DIAMETER | (mm) |
| 8" | 5.00-8 | US-43 | 3.00 D-8 | 1415 | 1090 | 115 | 455 | 23 |
| 9" | 6.00-9 | US-43 | 4.00 E-8 | 1885 | 1450 | 130 | 525 | 24 |
| 10" | 6.50-10 | US-43 | 5.00 F-10 | 2340 | 1800 | 165 | 575 | 28 |
| 12" | 7.00-12 | US-43 | 5.00 S-12 | 2920 | 2240 | 170 | 655 | 30 |
| 15" | 8.25-15 | US-43 | 6.50-15 | 4745 | 3650 | 217 | 815 | 34 |
| | 28x9-15 (8.15-15) | US-43 | 7.00-15 | 3445 | 2650 | 207 | 695 | 32 |

C-11 C-12 C-202 C-41 C-44 C-46 C-47 C-48 C-49

## COMPACTOR TIRE

| RIM DIAMETER | TIRE SIZE | PR | PATTERN | TRA CODE | TYPE | STANDARD RIM WIDTH | MAXIMUM SPEED | INFLATION PRESSURE | | | MAXIMUM LOAD | INFLATED DIMENSION (mm) | | TREAD DEPTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Inch) | (km/h) | (psi) | (kPa) | (Kgf/cm²) | (kg) | SECTION WIDTH | OVERRALL DIAMETER | (mm) |
| 15" | 7.50-15 | 10 | C-11 | C1 | TT | 6.00 | 10 | 90 | 620 | 6.33 | 2359 | 220 | 796 | 217 |
| | | 12 | C-11 | C1 | TT | 6.00 | 10 | 110 | 760 | 7.73 | 2658 | 227 | 798 | 217 |
| | | 14 | C-11 | C1 | TT | 6.00 | 10 | 125 | 860 | 8.79 | 2858 | 230 | 799 | 217 |
| | | 6 | C-12 | C1 | TT | 6.00 | 10 | 55 | 380 | 3.87 | 1769 | 218 | 795 | 192 |
| | 9.5/65-15 | 6 | C-11 | C1 | TT | 7.00 | 10 | 47 | 325 | 3.30 | 1320 | 245 | 675 | 243 |
| 16" | 7.50-16 | 10 | C-11 | C1 | TT | 6.00 | 10 | 125 | 860 | 8.79 | 2370 | 221 | 816 | 216 |
| | 10.5/80-16 | 6 | C-11 | C1 | TT | 8.00 | 10 | 44 | 305 | 3.09 | 1875 | 280 | 810 | 275 |
| 20" | 8.25-20 | 12 | C-11 | C1 | TT | 6.50 | 10 | 90 | 620 | 6.33 | 3650 | 240 | 975 | 235 |
| | 9.00-20 | 12 | C-11 | C1 | TT | 7.00 | 10 | 90 | 620 | 6.33 | 4060 | 265 | 1008 | 263 |
| | | 14 | C-11 | C1 | TT | 7.00 | 10 | 105 | 725 | 7.38 | 4420 | 266 | 1010 | 263 |
| | 11.00-20 | 16 | C-11 | C1 | TT | 8.00 | 10 | 115 | 795 | 8.09 | 5445 | 296 | 1056 | 295 |
| | | 18 | C-11 | C1 | TT | 8.00 | 10 | 120 | 825 | 8.44 | 5800 | 298 | 1059 | 295 |
| | 14/70-20 | 12 | C-11 | C1 | TT | 11.00 | 10 | 100 | 690 | 7.03 | 4005 | 373 | 975 | 370 |

| RIM DIAMETER | TIRE SIZE | PR | PATTERN | TRA CODE | TYPE | STANDARD RIM WIDTH | MAXIMUM SPEED | INFLATION PRESSURE | | | MAXIMUM LOAD | INFLATED DIMENSION (mm) | | TREAD DEPTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Inch) | (km/h) | (psi) | (kPa) | (Kgf/cm²) | (kg) | SECTION WIDTH | OVERRALL DIAMETER | (mm) |
| 16" | 23.1-26 | 8 | C-202 | C2 | TT/TL | 20.00 | 10 | 16 | 110 | | 2575 | 593 | 1492 | 18 |
| | | 12 | C-202 | C2 | TT/TL | 20.00 | 10 | 24 | 165 | | 3250 | 595 | 1498 | 18 |

## GRADER TIRE

| RIM DIAMETER | TIRE SIZE | PR | PATTERN | TRA CODE | TYPE | STANDARD RIM WIDTH | INFLATED DIMENSION (mm) | | TREAD DEPTH |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Inch) | SECTION WIDTH | OVERRALL DIAMETER | (mm) |
| 16" | 12.5/70-16 | 10 | G-41 | L2/G2 | TT/TL | 10.00 | 319 | 852 | 22 |
| 18" | 10.5/80-18 | 10, 12 | G-44 | I3 | TT/TL | 9.00 | 268 | 917 | 21 |
| | 12.5/80-18 | 10, 12, 14 | G-46 | I3 | TT/TL | 9.00 | 314 | 1015 | 24 |
| | 15.5/60-18 | 10 | G-41 | L2 | TT/TL | 13.00 | 408 | 942 | 22 |
| 20" | 8.25-20 | 10 | G-44 | G2 | TT/TL | 6.50 | 230 | 970 | 21 |
| | 17.5/65-20 | 10 | G-41 | L2/G2 | TT/TL | 14.00 | 450 | 1098 | 27 |
| 24" | 13.00-24 TG | 12, 14, 16 | G-46 | G2 | TT/TL | 8.00 | 336 | 1267 | 25 |
| | 14.00-24 | 12, 14, 16 | G-41 | L2/G2 | TT/TL | 8.00 | 376 | 1336 | 26 |
| | 14.00-24 TG | 12, 14, 16 | G-46 | G2 | TT/TL | 8.00 | 376 | 1336 | 25 |
| 25" | 15.5-25 | 12, 16 | G-44 | L2/G2 | TT/TL | 12.00 | 392 | 1274 | 24 |
| | 17.5-25 | 12, 16 | G-44 | L2/G2 | TT/TL | 14.00 | 442 | 1349 | 30 |
| | 20.5-25 | 12, 16 | G-44 | L3 | TT/TL | 17.00 | 526 | 1499 | 34 |
| | 23.5-25 | 12, 16, 20 | G-44 | L3 | TT/TL | 19.50 | 627 | 1600 | 34 |
| 26" | 18.4-26 | 12 | G-44 | L2/G2 | TT/TL | 16.00 | 454 | 1439 | 25 |
| 28" | 16.9-28 | 12, 14 | G-49 | L2/G2 | TT/TL | 15.00 | 432 | 1420 | 30 |

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U-501 U-502 R-53 R-55 R-56 E-50 E-51 E-52 E-53 L-05

## FLOTATION TIRE

| RIM DIAMETER | TIRE SIZE | PR | PATTERN | TYPE | STANDARD RIM WIDTH | MAXIMUM SPEED | INFLATION PRESSURE | | | MAXIMUM LOAD | INFLATED DIMENSION (mm) | | TREAD DEPTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | (Inch) | (km/h) | (psi) | (kPa) | (Kgf/cm²) | (kg) | SECTION WIDTH | OVERRALL DIAMETER | (mm) |
| 22.5" | 500/60-22.5 | 16 | G-48 | TL | 16.00 | 40 | 64 | 440 | 4.50 | 4125 | 500 | 1492 | 18 |
| | 600/50-22.5 | 16 | G-48 | TL | 20.00 | 40 | 52 | 360 | 3.66 | 4000 | 600 | 1160 | 19 |
| | 700/40-22.5 | 16 | G-48 | TL | 24.00 | 40 | 52 | 360 | 3.66 | 4250 | 700 | 1160 | 20 |
| | 710/40-22.5 | 16 | G-48 | TL | 20.00 | 40 | 52 | 360 | 3.66 | 4375 | 710 | 1160 | 20 |

## LOADER, DOZER AND EARTHMOVER TIRES

| RIM DIAMETER | TIRE SIZE | PR | PATTERN | TRA CODE | TYPE | STANDARD RIM WIDTH | INFLATED DIMENSION (mm) | | TREAD DEPTH |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Inch) | SECTION WIDTH | OVERRALL DIAMETER | (mm) |
| 24" | 12.00-24 | 18 | U-501 | E3 | TT | 8.50 | 314 | 1270 | 34 |
| | | 18 | U-502 | E3 | TT | 8.50 | 318 | 1270 | 37 |
| | 14.00-24 | 24, 28 | U-501 | E4 | TT | 10.00 | 412 | 1407 | 50 |
| | | 20, 24, 28, 32 | R-55 | E3 | TT/TL | 10.00 | 374 | 1350 | 31 |
| | 16.00-24 | 16 | R-55 | E3 | TT/TL | 11.25/2.0 | 455 | 1470 | 36 |
| 25" | 14.00-25 | 28, 36 | U-501 | E4 | TT/TL | 10.00/1.5 | 412 | 1413 | 50 |
| | | 28 | R-55 | E3 | TT/TL | 10.00/1.5 | 374 | 1350 | 31 |
| | 15.5-25 | 12, 16 | R-55 | L3 | TT/TL | 12.00/1.2 | 389 | 1292 | 28 |
| | 16.00-25 | 36, 40 | E-53 | E4 | TT/TL | 11.25/2.0 | 445 | 1540 | 57 |
| | | 24, 28, 36 | R-55 | E3 | TT/TL | 11.25/2.0 | 448 | 1468 | 36 |
| | 17.5-25 | 16, 20 | R-55 | L3 | TT/TL | 14.00/1.5 | 435 | 1347 | 32 |
| | 18.00-25 | 32, 36, 40 | R-55 | L3 | TT/TL | 13.00/2.5 | 535 | 1604 | 41 |
| | | 40 | E-50 | E4 | TL | 13.00/2.5 | 525 | 1685 | 66 |
| | | 40 | E-52 | IND-5 | TL | 13.00/2.5 | 491 | 1673 | 80 |
| | 20.5-25 | 16, 20 | R-56 | L3 | TT/TL | 17.00/2.0 | 536 | 1496 | 30 |
| | 23.5-25 | 16, 20, 24 | R-56 | L3 | TT/TL | 19.50/2.5 | 606 | 1610 | 30 |
| | 26.5-25 | 24, 28, 36, 38 | R-55 | L3 | TT/TL | 22.00/3.5 | 680 | 1766 | 48 |
| | 29.5-25 | 28, 34 | R-56 | L3 | TL | 25.00/3.5 | 775 | 1853 | 49 |
| | | 28, 32, 34 | R-53 | E3 | TT/TL | 25.00/3.5 | 824 | 1852 | 44 |
| 26" | 28L-26 | 26 | F-38 | LS-2 | TL | DW25D | 740 | 1660 | 55 |
| 29" | 29.5-29 | 28, 34 | R-56 | L3 | TL | 25.00/3.5 | 778 | 1979 | 49 |
| 33" | 18.00-33 | 40 | E-50 | E4 | TL | 13.00/2.5 | 538 | 1860 | 66 |
| | | 32, 36 | R-55 | E3 | TT/TL | 13.00/2.5 | 530 | 1825 | 41 |
| 35" | 21.00-35 | 36 | E-51 | E4 | TL | 15.00/3.0 | 561 | 2050 | 67 |
| 45" | 24.00-45 | 58 | L-05 | L5 | TL | 36.00/4.5 | 1146 | 2735 | 120 |
| 49" | 24.00-49 | 42, 48 | E-51 | E4 | TL | 17.00/3.5 | 660 | 2533 | 59 |
| | 27.00-49 | 48 | E-51 | E4 | TL | 19.50/4.0 | 746 | 2654 | 70 |

## EARTHMOVE SERVICE 50 km/h (30 mph) MAXIMUM SPEED

| TIRE SIZE DESIGNATION | TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES (100 kPa = 1 bar) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | kPa | 325 | 375 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | 795 |
| | psi | 47 | 54 | 69 | 73 | 76 | 80 | 83 | 87 | 91 | 94 | 115 |
| 12.00-24 | kg | | | | | | | | | | | 4250 (18) |
| | lbs | | | | | | | | | | | 9400 (18) |
| 14.00-24 | kg | | | 4625 (20) | 4750 | 4875 | 5000 | 5150 (24) | | | 5600 (28) | |
| | lbs | | | 10200 (20) | 10500 | 10700 | 11000 | 11400 (24) | | | 12300 (28) | |
| 14.00-25 | kg | | | 4625 (20) | | | | 5150 (24) | | | 5600 (28) | 6150 (36) |
| | lbs | | | 10200 (20) | | | | 11400 (24) | | | 12300 (28) | 13600 (36) |
| 16.00-24 | kg | 4875 (16) | 5300 (20) | 6000 (24) | | | | | | | | |
| | lbs | 10700 (16) | 12300 (20) | 13200 (24) | | | | | | | | |
| 16.00-25 | kg | | | 6000 (24) | 6300 | | 6500 | 6700 (28) | | | 7250 (32) | |
| | lbs | | | 13200 (24) | 13900 | | 14300 | 14800 (28) | | | 16000 (32) | |
| *18.00-25 | kg | | | | | | | 8750 (32) | | | 9750 (36) | |
| | lbs | | | | | | | 19300 (32) | | | 20400 (36) | |
| 18.00-33 | kg | | | | | | | 10300 (32) | | | 10900 (36) | |
| | lbs | | | | | | | 22700 (32) | | | 24000 (36) | |
| 21.00-35 | kg | | | | | | 12850 (36) | 13200 | 13600 | 14000 (40) | 15500 (42) | |
| | lbs | | | | | | 28300 (36) | 29100 | 30000 | 30900 (40) | 34200 (42) | |
| 24.00-49 | kg | | | | | | | 20600 (42) | | | 21800 (48) | |
| | lbs | | | | | | | 45400 (42) | | | 48100 (48) | |
| 27.00-49 | kg | | | | 23000 (42) | 23600 | 24300 | 25000 (48) | | | | |
| | lbs | | | | 50700 (42) | 52000 | 53600 | 55100 (48) | | | | |

**18.00-25 40 Ply Rating / 11800 kg @ 750 kPa (26020 lbs. @ 109 psi)
Note: Figures in parentheses denote ply rating for which bold face loads and inflations are maximum.

## GRADER SERVICE 40 km/h (25 mph) MAXIMUM SPEED

| TIRE SIZE DESIGNATION | TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES (100 kPa = 1 bar) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | kPa | 150 | 175 | 200 | 225 | 250 | 260 | 275 | 300 | 325 | 375 | 450 |
| | psi | 22 | 25 | 29 | 33 | 36 | 38 | 40 | 44 | 47 | 54 | 58 |
| 12.5/70-16 | kg | | | | | | 1650 (8) | | 1850 (10) | | | |
| | lbs | | | | | | 3640 (8) | | 4080 (10) | | | |
| 10.5/80-18 | kg | | | | | | | | | | 1740 (10) | 1900 (12) |
| | lbs | | | | | | | | | | 3840 (10) | 4190 (12) |
| 12.5/80-18 | kg | | | | | | | | | 2135 (10) | 2650 (12) | 2850 (14) |
| | lbs | | | | | | | | | 47010 (10) | 5840 (12) | 6285 (14) |
| 15.5/60-18 | kg | | | | | | 2430 (10) | | | | | |
| | lbs | | | | | | 5360 (10) | | | | | |
| 8.25-20 | kg | | | | | | | | 1180 (10) | | | |
| | lbs | | | | | | | | 2600 (10) | | | |
| 17.5/65-20 | kg | | | | | | 3250 (10) | | | | | |
| | lbs | | | | | | 7170 (10) | | | | | |
| 13.00-24 TG | kg | | | | | | | 2725 (12) | 2900 | 3075 (16) | | |
| | lbs | | | | | | | 6000 (12) | 6400 | 6800 (16) | | |
| 14.00-24 TG | kg | | | | | 3075 (12) | | 3250 | 3450 (14) | 3550 | 3650 (16) | |
| | lbs | | | | | 6800 (12) | | 7150 | 7600 (14) | 7850 | 8050 (16) | |
| 15.5-25 | kg | | | | | 2650 (12) | | | 3150 (16) | | | |
| | lbs | | | | | 5840 (12) | | | 6950 (16) | | | |
| *17.5-25 | kg | | | 2900 (12) | | 3150 | | 3350 (16) | | | | |
| | lbs | | | 6400 (12) | | 6950 | | 7400 (16) | | | | |
| *20.5-25 | kg | | 3550 (12) | | 4000 (16) | | | | | | | |
| | lbs | | 7850 (12) | | 8800 (16) | | | | | | | |
| *23.5-25 | kg | 4000 (12) | 4375 | 4750 (16) | 5150 | 5450 (20) | | | | | | |
| | lbs | 8800 (12) | 9650 | 10500 (16) | 11400 | 12000 (20) | | | | | | |
| 18.4-26 | kg | | | | 2650 (12) | | | | | | | |
| | lbs | | | | 5845 (12) | | | | | | | |
| 16.9-28 | kg | | | | | 3450 (12) | | | 3875 (14) | | | |
| | lbs | | | | | 7610 (12) | | | 8545 (14) | | | |

*For slope and ditching service, inflation pressures should be increased by 100 kPa (15psi) with no increase in load rating.
For extreme conditions, kindly consult an Otani Representative for additional recommended operating requirements.
Note: Figures in parentheses denote ply rating for which bold face loads and inflations are maximum.

For tire load limits at various speeds with no increase in inflation pressure :

| MAXIMUM SPEED | % CHANGE TO LOADS IN ABOVE TABLE |
|---|---|
| 40 km/h (25 mph) | No Change |
| 50 km/h (30 mph) | -9% |
| 60 km/h (35 mph) | -18% |
| 65 km/h (40 mph) | -27% |

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## EARTHMOVE SERVICE 50 km/h (30 mph) MAXIMUM SPEED

| TIRE SIZE DESIGNATION | TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES (100 kPa = 1 bar) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | kPa | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 |
| | psi | 33 | 36 | 40 | 44 | 47 | 51 | 54 | 58 |
| 15.5–25 | kg | | 3250 (12) | | | 3785 (16) | | | |
| | lbs | | 7150 (12) | | | 8345 (16) | | | |
| 17.5–25 | kg | | | | 4250 (16) | 4500 | 4625 | 4875 | 5000 (20) |
| | lbs | | | | 9350 (16) | 9900 | 10200 | 10700 | 11000 (20) |
| 20.5–25 | kg | | | 5450 (16) | 5800 | 6000 (20) | | | |
| | lbs | | | 12000 (16) | 12800 | 13200 (20) | | | |
| 23.5–25 | kg | 6150 (16) | 6500 | 6900 | 7300 (20) | 7750 | 8000 (24) | | |
| | lbs | 13600 (16) | 14300 | 15200 | 16100 (20) | 17100 | 17600 (24) | | |
| 26.5–25 | kg | | | | | | 9250 (24) | 9500 | 10000 (28) |
| | lbs | | | | | | 20400 (24) | 20900 | 22000 (28) |
| 29.5–25 | kg | | | | | 11500 (28) | | 12500 (32) | |
| | lbs | | | | | 25400 (28) | | 27600 (32) | |
| 29.5–29 | kg | | | | | 12150 (28) | 12850 | 13200 | 14000 (34) |
| | lbs | | | | | 26800 (28) | 28300 | 29100 | 30900 (34) |

Note: Figures in parentheses denote ply rating for which bold face loads and inflations are maximum.

## LOADER AND DOZER SERVICE 10 km/h (5 mph) MAXIMUM SPEED

| TIRE SIZE DESIGNATION | TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES (100 kPa = 1 bar) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | kPa | 300 | 350 | 375 | 400 | 425 | 450 | 475 | 525 | 550 | 575 | 675 |
| | psi | 44 | 51 | 54 | 58 | 62 | 65 | 69 | 76 | 80 | 83 | 98 |
| 15.5–25 | kg | | | | 5600 (12) | | | 6100 (16) | | | | |
| | lbs | | | | 12300 (12) | | | 13450 (16) | | | | |
| 17.5–25 | kg | | | | | | | 7300 (16) | 7750 | 8000 | 8250 (20) | |
| | lbs | | | | | | | 16100 (16) | 17100 | 17600 | 18200 (20) | |
| 20.5–25 | kg | | 8250 (16) | 8500 | 8750 | 9250 | 9500 (20) | | | | | |
| | lbs | | 18200 (16) | 18700 | 19300 | 20400 | 20900 (20) | | | | | |
| 23.5–25 | kg | 9500 (16) | 10600 | 10900 (20) | 11200 | 11800 | 12150 | 12500 (24) | | | | |
| | lbs | 20900 (16) | 23400 | 24000 (20) | 24700 | 26000 | 26800 | 26700 (24) | | | | |
| *26.5–25 | kg | | | | 14000 (24) | 14500 | 15000 | 15500 (28) | 16500 | 17000 (32) | | |
| | lbs | | | | 30900 (24) | 32000 | 33100 | 34200 (28) | 36480 | 37500 (32) | | |
| **29.5–25 | kg | | | | | 17500 (28) | 18500 | 19000 | 20000 (34) | | | |
| | lbs | | | | | 38600 28) | 40800 | 41900 | 44100 (34) | | | |
| 28L–26 | kg | | | | 19850 (26) | | | | | | | |
| | lbs | | | | 9000 (26) | | | | | | | |
| 29.5–25 | kg | | | | | 19000 (28) | 19500 | 20000 | 21200 (34) | | | |
| | lbs | | | | | 41900 (28) | 43000 | 44100 | 46700 (34) | | | |
| 45/65–45 | kg | | | | | | | | | | | 50000 (58) |
| | lbs | | | | | | | | | | | 110000 (58) |

*26.5–25 36 Ply Rating / 18600 kg @ 630 kPa (41000 lbs. @ 92 psi)
**29.5–25 36 Ply Rating / 21900 kg @ 580 kPa (48300 lbs. @ 84 psi)
Note: Figures in parentheses denote ply rating for which bold face loads and inflations are maximum.

## LOADER AND DOZER SERVICE 10 km/h (5 mph) MAXIMUM SPEED DISTANCE UP TO 76 m (250 ft)

| TIRE SIZE DESIGNATION | TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES (100 kPa = 1 bar) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | kPa | 650 | 675 | 700 | 725 | 750 | 850 | 900 | 1000 |
| | psi | 94 | 98 | 102 | 105 | 109 | 124 | 134 | 145 |
| 14.00–24 (14.00–25) | kg | | | 8500 (20) | | | 9550 (24) | 10000 (28) | 13505 (32) |
| | lbs | | | 18700 (20) | | | 21000 (24) | 22050 (28) | 29800 (32) |
| 16.00–25 | kg | 10600 (24) | 10900 | | 11200 | 11500 (28) | 12500 (32) | | 15200 (36) |
| | lbs | 23400 (24) | 24000 | | 24700 | 25400 (28) | 27000 (32) | | 33480 (36) |
| *18.00–25 | kg | | | | | 15000 (32) | 16000 (36) | | 17000 (40) |
| | lbs | | | | | 33100 (32) | 35300 (36) | | 37500 (40) |
| 18.00–33 | kg | | | | | 17500 (32) | 18500 (36) | | 20000 (40) |
| | lbs | | | | | 38600 (32) | 40800 (36) | | 44100 (40) |

*18.00–25 IND–5 40 Ply Rating / 212000 kg @ 1035 kPa (46800 lbs. @ 150 psi)
Note: Figures in parentheses denote ply rating for which bold face loads and inflations are maximum.

Note : For load limits at various speeds :

| MAXIMUM SPEED | % LOAD CHANGE FORM ABOVE 10 km/h (5 mph) TABLE |
|---|---|
| Stationay | +60% |
| Creep | +30% |
| 4 km/h (21/2 mph) | +15% |
| 10 km/h (5 mph) | No Change |
| 15 km/h (10 mph) | –13% |
| 25 km/h (15 mph) | –20% |

OTANI®

DRIVING CONFIDENCE

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