

## 20.5R25 186A2/168B NOKIAN TYRES LOADER GRIP L-3 SB TL

Sturdy grip for wheel loaders and machines

|                          |                                      |
|--------------------------|--------------------------------------|
| PRODUCT CODE             | T445171                              |
| TIRE CLASSIFICATION CODE | L-3                                  |
| APPLICATION              | Wheel loader / Transport application |
| LI / SPEED SYMBOL        | 186A2 (168B)                         |
| PLY RATING               | ★                                    |
| RIM RECOMMENDED          | 17.00/2.0                            |
| RIM PERMITTED            | 17.00/2.0IF, 17.00/1.7               |



### LOAD CAPACITY FOR WHEEL LOADER, KG

| Pressure<br>(kPa) | Speed (km/h) |       |       |      |      |      |      |      |      |      |      |
|-------------------|--------------|-------|-------|------|------|------|------|------|------|------|------|
|                   | 0            | 1     | 5     | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 50   |
| 200               | 8275         | 6720  | 5895  | 5170 | 4500 | 4345 | 4135 | 3980 | 3825 | 3620 | 3260 |
| 225               | 9040         | 7345  | 6440  | 5650 | 4915 | 4745 | 4520 | 4350 | 4180 | 3955 | 3560 |
| 250               | 9780         | 7945  | 6970  | 6115 | 5320 | 5135 | 4890 | 4705 | 4525 | 4280 | 3850 |
| 275               | 10505        | 8535  | 7485  | 6565 | 5715 | 5515 | 5255 | 5055 | 4860 | 4595 | 4135 |
| 300               | 11215        | 9110  | 7990  | 7010 | 6100 | 5890 | 5605 | 5395 | 5185 | 4905 | 4415 |
| 325               | 11910        | 9675  | 8485  | 7445 | 6475 | 6250 | 5955 | 5730 | 5510 | 5210 | 4690 |
| 350               | 12590        | 10230 | 8970  | 7870 | 6845 | 6610 | 6295 | 6060 | 5820 | 5510 | 4955 |
| 375               | 13255        | 10770 | 9445  | 8285 | 7210 | 6960 | 6630 | 6380 | 6130 | 5800 | 5220 |
| 400               | 13915        | 11305 | 9915  | 8695 | 7565 | 7305 | 6955 | 6695 | 6435 | 6090 | 5480 |
| 425               | 14560        | 11830 | 10375 | 9100 | 7920 | 7645 | 7280 | 7010 | 6735 | 6370 | 5735 |
| 450               | 15200        | 12350 | 10830 | 9500 | 8265 | 7980 | 7600 | 7315 | 7030 | 6650 | 5985 |

### LOAD CAPACITY FOR TRANSPORT APPLICATION, KG

| Pressure<br>(kPa) | Speed (km/h) |      |      |      |      |      |      |      |
|-------------------|--------------|------|------|------|------|------|------|------|
|                   | 15           | 20   | 25   | 30   | 35   | 40   | 45   | 50   |
| 200               | 4120         | 4050 | 3975 | 3900 | 3830 | 3790 | 3755 | 3680 |
| 225               | 4505         | 4420 | 4340 | 4260 | 4180 | 4140 | 4100 | 4020 |
| 250               | 4875         | 4785 | 4700 | 4610 | 4525 | 4480 | 4440 | 4350 |
| 275               | 5235         | 5140 | 5045 | 4955 | 4860 | 4815 | 4765 | 4675 |
| 300               | 5585         | 5485 | 5390 | 5290 | 5190 | 5140 | 5090 | 4990 |
| 325               | 5935         | 5825 | 5720 | 5615 | 5510 | 5455 | 5405 | 5295 |
| 350               | 6270         | 6160 | 6050 | 5935 | 5825 | 5770 | 5710 | 5600 |

## TIRE DIMENSIONS

|                          | New tire | Max. in service |
|--------------------------|----------|-----------------|
| OVERALL DIAMETER         | 1493 mm  | 1561 mm         |
| TIRE WIDTH               | 532 mm   | 577 mm          |
| PATTERN DEPTH            | 31 mm    |                 |
| PATTERN DEPTH ON TIE BAR |          |                 |
| MAX. INFLATION PRESSURE  | 450 kPa  |                 |

STATIC LOADED RADIUS 648 mm @ 9500 kg / 450 kPa

DYNAMIC ROLLING CIRCUMFERENCE 4500 mm @ 9500 kg / 450 kPa

DYNAMIC ROLLING RADIUS 716 mm @ 9500 kg / 450 kPa

TUBELESS VALVE TR650

BELT MATERIAL Steel

MARKINGS M+S

STUDDABLE Yes  
Number of studs 180 pcs  
Recommended stud 16-19

VOLUME 495 l 100%  
371 l 75%

## WATER AND SALT BALLASTING

(CaCl<sub>2</sub>, 75%, -30°C) Always use a tube when filled with water/salt.

| Tire volume 100% |         | Water filling 75% |         | Water/salt filling (75% / -30°C) |         |      |     | Total weight increase |      |
|------------------|---------|-------------------|---------|----------------------------------|---------|------|-----|-----------------------|------|
|                  |         |                   |         | Water                            |         | Salt |     |                       |      |
| Litres           | Gallons | Litres            | Gallons | Litres                           | Gallons | kg   | lbs | kg                    | lbs  |
| 495              | 131     | 371               | 98      | 305                              | 80      | 155  | 342 | 460                   | 1014 |

NOKIAN TYRES PLC is a full member of ETRTO and affiliated member of TRA. In design and production, we certify that products made in Nokian factory (YL) are according the ETRTO and TRA standards.

The tire has been manufactured and tested in accordance with the requirements of ISO 9001 and ISO 14001. Nokian Tyres Plc has the following certificates:

- Quality Management System Standard, ISO 9001, Certificate No: 76363-2010-AQ-FIN-FINAS
- Environmental Management System Standard, ISO 14001, Certificate No: 76361-2010-AE-FIN-FINAS

More information: [www.nokiantyres.com/heavy/technical-tire-manual/](http://www.nokiantyres.com/heavy/technical-tire-manual/)