

## 14.00-24 28 188A2 NOKIAN TYRES MINE KING E-4 TL

Purpose designed and built special tire for drill rigs and utility vehicles

|                          |                                                                |
|--------------------------|----------------------------------------------------------------|
| PRODUCT CODE             | T445709                                                        |
| TIRE CLASSIFICATION CODE | E-4                                                            |
| APPLICATION              | Drill rigs and other mining machines                           |
| LI / SPEED SYMBOL        | 188A2                                                          |
| PLY RATING               | 28                                                             |
|                          | 10.00WA                                                        |
| RIM RECOMMENDED          | Nominal dimensions and rim recommendations from ETRTO standard |
| RIM PERMITTED            | 10.00VA                                                        |



### LOAD CAPACITY FOR DRILL RIGS AND OTHER MINING MACHINES, LB

| Pressure<br>(psi) | Speed (mph) |       |       |       |       |       |       |
|-------------------|-------------|-------|-------|-------|-------|-------|-------|
|                   | 0           | creep | 2.5   | 5     | 10    | 12    | 15    |
| 91                | 28045       | 22785 | 19985 | 17525 | 15245 | 14725 | 14020 |
| 94                | 28695       | 23315 | 20450 | 17935 | 15610 | 15070 | 14350 |
| 98                | 29335       | 23830 | 20900 | 18330 | 15950 | 15400 | 14670 |
| 102               | 29970       | 24350 | 21350 | 18730 | 16290 | 15730 | 14980 |
| 105               | 30590       | 24855 | 21795 | 19115 | 16635 | 16060 | 15290 |
| 109               | 31205       | 25355 | 22235 | 19500 | 16965 | 16380 | 15600 |
| 112               | 31800       | 25840 | 22665 | 19875 | 17295 | 16700 | 15905 |
| 116               | 32395       | 26325 | 23080 | 20250 | 17615 | 17010 | 16205 |
| 120               | 32990       | 26810 | 23500 | 20625 | 17935 | 17315 | 16490 |
| 123               | 33575       | 27280 | 23920 | 20975 | 18255 | 17625 | 16790 |
| 127               | 34150       | 27745 | 24330 | 21340 | 18565 | 17925 | 17075 |
| 131               | 34710       | 28210 | 24735 | 21695 | 18870 | 18220 | 17360 |
| 134               | 35275       | 28660 | 25135 | 22045 | 19180 | 18520 | 17635 |

LOAD CAPACITY 10470 kg / 1000 kPa / 10 km/h

## TIRE DIMENSIONS

|                          | New tire | Max. in service |
|--------------------------|----------|-----------------|
| OVERALL DIAMETER         | 54.8 in  | 55.7 in         |
| TIRE WIDTH               | 15.1 in  | 15.9 in         |
| PATTERN DEPTH            | 58/32 in |                 |
| PATTERN DEPTH ON TIE BAR |          |                 |
| MAX. INFLATION PRESSURE  | 145 psi  |                 |

|                               |                                   |
|-------------------------------|-----------------------------------|
| STATIC LOADED RADIUS          | 24.8 in @ 22000 lb / 134 psi      |
| DYNAMIC ROLLING CIRCUMFERENCE | 163.5 in @ 22000 lb / 134 psi     |
| DYNAMIC ROLLING RADIUS        | 26 in @ 22000 lb / 134 psi        |
| TUBE PRODUCT CODE             | T55767                            |
| FLAP PRODUCT CODE             | T299531                           |
| TUBE VALVE                    | TR1175A                           |
| TUBELESS VALVE                | TR650                             |
| VOLUME                        | 61 gallons 100%<br>46 gallons 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 |
| 232              | 61      | 174               | 46      | 143                              | 38      | 73   | 160 | 216                   | 476 |

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/)