

12.00-20 20 176A5 NOKIAN TYRES MINE KING E-4 TT

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

| | |
|--------------------------|--------------------------------------|
| PRODUCT CODE | T445712 |
| TIRE CLASSIFICATION CODE | E-4 |
| APPLICATION | Drill rigs and other mining machines |
| LI / SPEED SYMBOL | 176A5 |
| PLY RATING | 20 |
| RIM RECOMMENDED | 8.5 |
| RIM PERMITTED | 9.0, 8.0 |



LOAD CAPACITY FOR DRILL RIGS AND OTHER MINING MACHINES, KG

| Pressure (kPa) | Speed (km/h) | | | | | |
|----------------|--------------|------|------|------|------|------|
| | 0 | 1 | 5 | 10 | 20 | 25 |
| 700 | 8700 | 7490 | 7490 | 7490 | 5765 | 5765 |
| 725 | 8880 | 7645 | 7645 | 7645 | 5880 | 5880 |
| 750 | 9060 | 7800 | 7800 | 7800 | 6000 | 6000 |
| 775 | 9235 | 7950 | 7950 | 7950 | 6115 | 6115 |
| 800 | 9410 | 8100 | 8100 | 8100 | 6230 | 6230 |
| 825 | 9580 | 8250 | 8250 | 8250 | 6345 | 6345 |
| 850 | 9750 | 8395 | 8395 | 8395 | 6455 | 6455 |
| 875 | 9915 | 8535 | 8535 | 8535 | 6565 | 6565 |
| 900 | 10080 | 8680 | 8680 | 8680 | 6675 | 6675 |
| 925 | 10245 | 8820 | 8820 | 8820 | 6785 | 6785 |
| 950 | 10405 | 8955 | 8955 | 8955 | 6890 | 6890 |
| 975 | 10565 | 9095 | 9095 | 9095 | 6995 | 6995 |
| 1000 | 10720 | 9230 | 9230 | 9230 | 7100 | 7100 |

TIRE DIMENSIONS

| | New tire | Max. in service |
|-------------------------|----------|-----------------|
| OVERALL DIAMETER | 1147 mm | 1214 mm |
| TIRE WIDTH | 330 mm | 340 mm |
| PATTERN DEPTH | 35 mm | |
| MAX. INFLATION PRESSURE | 1000 kPa | |

| | |
|-------------------------------|------------------------------|
| STATIC LOADED RADIUS | 520 mm @ 7100 kg / 1000 kPa |
| DYNAMIC ROLLING CIRCUMFERENCE | 3449 mm @ 7100 kg / 1000 kPa |
| DYNAMIC ROLLING RADIUS | 549 mm @ 7100 kg / 1000 kPa |
| TUBE PRODUCT CODE | T52810 |
| FLAP PRODUCT CODE | T299537 |
| TUBE VALVE | V3.02.16 |
| VOLUME | 130 l 100% 98 l 75% |

WATER AND SALT BALLASTING

(CaCl₂, 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 |
| 130 | 34 | 98 | 26 | 80 | 21 | 41 | 90 | 121 | 267 |

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/