

# 800/40-24.5 20 169A8/176A2 NOKIAN TYRES FOREST KING F2 SF TT

Track grip for demanding forestry use

|                          |                         |
|--------------------------|-------------------------|
| PRODUCT CODE             | T445717                 |
| TIRE CLASSIFICATION CODE | LS-2                    |
| APPLICATION              | Forwarder and Harvester |
| LI / SPEED SYMBOL        | 169A8 (176A2)           |
| PLY RATING               | 20                      |
| RIM RECOMMENDED          | AG28.00                 |
| TYPE APPROVAL            | E8 106R-001558          |



## LOAD CAPACITY FOR FORWARDER AND HARVESTER, KG

### Forestry service (LT)

| Pressure (kPa) | Speed (km/h) |
|----------------|--------------|
|                | 10           |
| 160            | 3650         |
| 200            | 4125         |
| 240            | 4500         |
| 280            | 5000         |
| 320            | 5300         |
| 360            | 5800         |
| 400            | 6300         |
| 450            | 6700         |
| 500            | 7100         |

### Road

| Pressure (kPa) | Speed (km/h) |      |      |
|----------------|--------------|------|------|
|                | 20           | 30   | 40   |
| 160            | 3690         | 3210 | 3000 |
| 200            | 4120         | 3585 | 3350 |
| 240            | 4490         | 3905 | 3650 |
| 280            | 5075         | 4415 | 4125 |
| 320            | 5230         | 4550 | 4250 |
| 360            | 5845         | 5085 | 4750 |
| 400            | 6335         | 5510 | 5150 |
| 450            | 6705         | 5830 | 5450 |
| 500            | 7135         | 6205 | 5800 |

## TIRE DIMENSIONS

|                         | New tire | Max. in service |
|-------------------------|----------|-----------------|
| OVERALL DIAMETER        | 1250 mm  | 1307 mm         |
| TIRE WIDTH              | 786 mm   | 895 mm          |
| PATTERN DEPTH           | 35 mm    |                 |
| MAX. INFLATION PRESSURE | 550 kPa  |                 |

|                               |                             |
|-------------------------------|-----------------------------|
| STATIC LOADED RADIUS          | 569 mm @ 7100 kg / 500 kPa  |
| DYNAMIC ROLLING CIRCUMFERENCE | 3795 mm @ 7100 kg / 500 kPa |
| DYNAMIC ROLLING RADIUS        | 604 mm @ 7100 kg / 500 kPa  |
| TUBE PRODUCT CODE             | T545448                     |
| TUBE VALVE                    | TR218A                      |
| BREAKER MATERIAL              | Steel                       |
| VOLUME                        | 457 l 100%<br>343 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 |
| 457              | 121     | 343               | 91      | 281                              | 74      | 143  | 316 | 424                   | 935 |

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.

Tyre have 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/)