

# 780/50-28.5 LS 24 182A8/190A2 NOKIAN TYRES FOREST KING TRS 3 SF TT

Traction tire for harvesters and forwarders

|                          |                         |
|--------------------------|-------------------------|
| PRODUCT CODE             | T445900                 |
| TIRE CLASSIFICATION CODE | LS-2                    |
| APPLICATION              | Forwarder and Harvester |
| LI / SPEED SYMBOL        | 182A8 (190A2)           |
| PLY RATING               | 24                      |
| RIM RECOMMENDED          | AG26.00                 |
| TYPE APPROVAL            | E4 106R-007065          |



## LOAD CAPACITY FOR FORWARDER AND HARVESTER, KG

### Forestry service (LT)

| Pressure<br>(kPa) | Speed (km/h) |
|-------------------|--------------|
|                   | 10           |
| 160               | 4625         |
| 200               | 5300         |
| 240               | 5600         |
| 280               | 6300         |
| 320               | 6500         |
| 360               | 7300         |
| 400               | 8000         |
| 450               | 8500         |
| 500               | 9000         |
| 600               | 10600        |

### Road

| Pressure<br>(kPa) | Speed (km/h) |      |      |
|-------------------|--------------|------|------|
|                   | 20           | 30   | 40   |
| 160               | 4615         | 4015 | 3750 |
| 200               | 5230         | 4550 | 4250 |
| 240               | 5535         | 4815 | 4500 |
| 280               | 6335         | 5510 | 5150 |
| 320               | 6520         | 5670 | 5300 |
| 360               | 7380         | 6420 | 6000 |
| 400               | 7995         | 6955 | 6500 |
| 450               | 8485         | 7385 | 6900 |
| 500               | 8980         | 7810 | 7300 |
| 600               | 10455        | 9095 | 8500 |

## TIRE DIMENSIONS

|                          | New tire | Max. in service |
|--------------------------|----------|-----------------|
| OVERALL DIAMETER         |          | 1558 mm         |
| TIRE WIDTH               |          | 836 mm          |
| PATTERN DEPTH            | 49 mm    |                 |
| PATTERN DEPTH ON TIE BAR |          |                 |
| MAX. INFLATION PRESSURE  | 600 kPa  |                 |

|                               |                              |
|-------------------------------|------------------------------|
| STATIC LOADED RADIUS          | 704 mm @ 8500 kg / 600 kPa   |
| STATIC LOADED RADIUS          | 694 mm @ 10600 kg / 600 kPa  |
| DYNAMIC ROLLING CIRCUMFERENCE | 4677 mm @ 8500 kg / 600 kPa  |
| DYNAMIC ROLLING CIRCUMFERENCE | 4666 mm @ 10600 kg / 600 kPa |
| DYNAMIC ROLLING RADIUS        | 744 mm @ 8500 kg / 600 kPa   |
| DYNAMIC ROLLING RADIUS        | 743 mm @ 10600 kg / 600 kPa  |
| TUBE PRODUCT CODE             | T545543                      |
| TUBE VALVE                    | TR218A                       |
| BREAKER MATERIAL              | Steel                        |
| VOLUME                        | 670 l 100%<br>503 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  |
| 670              | 177     | 503               | 133     | 412                              | 109     | 210  | 463 | 622                   | 1371 |

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/)