

580/70R38 166D/163E NOKIAN TYRES GROUND KING SB TL

A crossover tire for mixed agricultural work

| | |
|-------------------|-------------------|
| PRODUCT CODE | T445734 |
| APPLICATION | Tractor / Trailer |
| LI / SPEED SYMBOL | 166D (163E) |
| RIM RECOMMENDED | DW18L |
| TYPE APPROVAL | E8 106R-001804 |



LOAD CAPACITY FOR TRACTOR, KG

Tractor

| Pressure (kPa) | Speed (km/h) | | | | | | | | | | | | | |
|----------------|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| 80 | 4250 | 3750 | 3350 | 3075 | 2965 | 2875 | 2800 | 2740 | 2675 | 2625 | 2575 | 2540 | 2500 | 2275 |
| 120 | 5355 | 4725 | 4220 | 3875 | 3735 | 3625 | 3530 | 3450 | 3370 | 3310 | 3245 | 3195 | 3150 | 2865 |
| 160 | 6590 | 5815 | 5195 | 4765 | 4590 | 4455 | 4340 | 4245 | 4145 | 4070 | 3990 | 3935 | 3875 | 3525 |
| 200 | 7225 | 6375 | 5695 | 5230 | 5035 | 4890 | 4760 | 4655 | 4550 | 4465 | 4380 | 4315 | 4250 | 3870 |
| 240 | 7650 | 6750 | 6030 | 5535 | 5335 | 5175 | 5040 | 4930 | 4815 | 4725 | 4635 | 4570 | 4500 | 4095 |
| 280 | 8500 | 7500 | 6700 | 6150 | 5925 | 5750 | 5600 | 5475 | 5350 | 5250 | 5150 | 5075 | 5000 | 4550 |
| 320 | 9010 | 7950 | 7100 | 6520 | 6280 | 6095 | 5935 | 5805 | 5670 | 5565 | 5460 | 5380 | 5300 | 4825 |

LOAD CAPACITY FOR TRAILER, KG

Trailed

| Pressure (kPa) | Speed (km/h) | | | | | | | | | |
|----------------|--------------|------|------|------|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 80 | 4250 | 3750 | 3350 | 3075 | 3000 | 3000 | 3000 | 3000 | 2875 | 2725 |
| 120 | 5355 | 4725 | 4220 | 3875 | 3780 | 3780 | 3780 | 3780 | 3625 | 3435 |
| 160 | 6590 | 5815 | 5195 | 4765 | 4650 | 4650 | 4650 | 4650 | 4455 | 4225 |
| 200 | 7225 | 6375 | 5695 | 5230 | 5100 | 5100 | 5100 | 5100 | 4890 | 4635 |
| 240 | 7650 | 6750 | 6030 | 5535 | 5400 | 5400 | 5400 | 5400 | 5175 | 4905 |
| 280 | 8500 | 7500 | 6700 | 6150 | 6000 | 6000 | 6000 | 6000 | 5750 | 5450 |
| 320 | 9010 | 7950 | 7100 | 6520 | 6360 | 6360 | 6360 | 6360 | 6095 | 5775 |

TIRE DIMENSIONS

| | New tire | Max. in service |
|-------------------------|----------|-----------------|
| OVERALL DIAMETER | 1829 mm | 1861 mm |
| TIRE WIDTH | 577 mm | 606 mm |
| PATTERN DEPTH | 56 mm | |
| MAX. INFLATION PRESSURE | 320 kPa | |

| | |
|-------------------------------|--|
| STATIC LOADED RADIUS | 835 mm @ 5300 kg / 320 kPa |
| DYNAMIC ROLLING CIRCUMFERENCE | 5574 mm @ 5300 kg / 320 kPa |
| DYNAMIC ROLLING RADIUS | 887 mm @ 5300 kg / 320 kPa |
| SPEED RADIUS INDEX | 875 |
| TUBELESS VALVE | TR618A |
| BELT MATERIAL | Steel |
| MARKINGS | M+S |
| STUDDABLE | Yes Marked stud positions on tread Number of studs 144 pcs Recommended stud 12-20,12-23-12-24,16-19 |
| VOLUME | 698 l 100% 524 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 |
| 698 | 184 | 524 | 138 | 430 | 113 | 219 | 483 | 649 | 1431 |

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/