

# 520/70R38 160D/157E NOKIAN TYRES GROUND KING SB TL

A crossover tire for mixed agricultural work

PRODUCT CODE	T445732
TIRE CLASSIFICATION CODE	R-1W
APPLICATION	Tractor / Trailer
LI / SPEED SYMBOL	160D (157E)
RIM RECOMMENDED	DW16L
RIM PERMITTED	DW18L, DW15L
TYPE APPROVAL	E8 106R-001802



## LOAD CAPACITY FOR TRACTOR, KG

### Tractor

Pressure (kPa)	Speed (km/h)													
	5	10 LT	15	20	25	30 10 HT	35	40	45	50	55	60	65	70
80	3605	3180	2840	2610	2510	2440	2375	2320	2270	2225	2185	2150	2120	1930
120	4635	4090	3650	3350	3230	3135	3050	2985	2915	2860	2805	2765	2725	2480
160	5525	4875	4355	4000	3850	3740	3640	3560	3480	3415	3350	3300	3250	2960
200	6205	5475	4890	4490	4325	4200	4090	3995	3905	3835	3760	3705	3650	3320
240	6590	5815	5195	4765	4590	4455	4340	4245	4145	4070	3990	3935	3875	3525
280	7225	6375	5695	5230	5035	4890	4760	4655	4550	4465	4380	4315	4250	3870
320	7650	6750	6030	5535	5335	5175	5040	4930	4815	4725	4635	4570	4500	4095

## LOAD CAPACITY FOR TRAILER, KG

### Trailed

Pressure (kPa)	Speed (km/h)									
	5	10	15	20	25	30	35	40	45	50
80	3605	3180	2840	2610	2545	2545	2545	2545	2440	2310
120	4635	4090	3650	3350	3270	3270	3270	3270	3135	2970
160	5525	4875	4355	4000	3900	3900	3900	3900	3740	3545
200	6205	5475	4890	4490	4380	4380	4380	4380	4200	3980
240	6590	5815	5195	4765	4650	4650	4650	4650	4455	4225
280	7225	6375	5695	5230	5100	5100	5100	5100	4890	4635
320	7650	6750	6030	5535	5400	5400	5400	5400	5175	4905

Increase the inflation pressure by 40 kPa (0,4 bar , 7 psi) for : Extensive road driving and use on slopes with inclination more than 20%. Do not exceed maximum pressure. In dual formation the load capacity is 0,88 x single tire load capacity per tire. For high torque field application use 30km/h line.

**TIRE DIMENSIONS**

	New tire	Max. in service
OVERALL DIAMETER	1752 mm	1781 mm
TIRE WIDTH	516 mm	542 mm
PATTERN DEPTH	55 mm	
PATTERN DEPTH ON TIE BAR		
MAX. INFLATION PRESSURE	320 kPa	

STATIC LOADED RADIUS	803 mm @ 4500 kg / 320 kPa
DYNAMIC ROLLING CIRCUMFERENCE	5342 mm @ 4500 kg / 320 kPa
DYNAMIC ROLLING RADIUS	850 mm @ 4500 kg / 320 kPa
SPEED RADIUS INDEX	825
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	547 l 100% 410 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
547	145	410	108	337	89	172	378	509	1122

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/)