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

A crossover tire for mixed agricultural work

PRODUCT CODE	T445734
TIRE CLASSIFICATION CODE	R-1W
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 LT**	**15**	**20**	**25**	**30 10 HT**	**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

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	1829 mm	1861 mm
TIRE WIDTH	577 mm	606 mm
PATTERN DEPTH	56 mm	
PATTERN DEPTH ON TIE BAR		
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.

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/