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, LB

Tractor

Pressure (psi)	**Speed** (mph)													
	2.5	**5 LT**	**10**	**12**	**15**	**17.5 5 HT**	**22.5**	**25**	**27.5**	**30**	**35**	**37.5**	**40**	**42.5**
12	7950	7010	6260	5755	5535	5380	5235	5115	5005	4905	4815	4740	4675	4255
17	10220	9015	8045	7385	7120	6910	6725	6580	6425	6305	6185	6095	6010	5465
23	12180	10750	9600	8820	8490	8245	8025	7850	7670	7530	7385	7275	7165	6525
29	13680	12070	10780	9900	9535	9260	9015	8805	8610	8455	8290	8170	8045	7320
35	14530	12820	11455	10505	10120	9820	9570	9360	9140	8975	8795	8675	8545	7770
41	15930	14055	12555	11530	11100	10780	10495	10265	10030	9845	9655	9515	9370	8530
46	16865	14880	13295	12205	11760	11410	11110	10870	10615	10415	10220	10075	9920	9030

LOAD CAPACITY FOR TRAILER, LB

Trailed

Pressure (psi)	**Speed** (mph)									
	2.5	**5**	**10**	**12**	**15**	**17.5**	**22.5**	**25**	**27.5**	**30**
12	7950	7010	6260	5755	5610	5610	5610	5610	5380	5095
17	10220	9015	8045	7385	7210	7210	7210	7210	6910	6550
23	12180	10750	9600	8820	8600	8600	8600	8600	8245	7815
29	13680	12070	10780	9900	9655	9655	9655	9655	9260	8775
35	14530	12820	11455	10505	10250	10250	10250	10250	9820	9315
41	15930	14055	12555	11530	11245	11245	11245	11245	10780	10220
46	16865	14880	13295	12205	11905	11905	11905	11905	11410	10815

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	69 in	70.1 in
TIRE WIDTH	20.3 in	21.3 in
PATTERN DEPTH	69/32 in	
PATTERN DEPTH ON TIE BAR		
MAX. INFLATION PRESSURE	46 psi	

STATIC LOADED RADIUS	31.6 in @ 9900 lb / 46 psi
DYNAMIC ROLLING CIRCUMFERENCE	210.3 in @ 9900 lb / 46 psi
DYNAMIC ROLLING RADIUS	33.5 in @ 9900 lb / 46 psi
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	145 gallons 100% 109 gallons 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
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/