480/80R38 166A8/161D NOKIAN TYRES TRI 2 SB TL

Reliable performance all year round

PRODUCT CODE	T445377
EQUIVALENT SIZE	18.4R38
TIRE CLASSIFICATION CODE	R-4
APPLICATION	Tractor
LI / SPEED SYMBOL	166A8 (161D)
RIM RECOMMENDED	DW15L
RIM PERMITTED	DW16L, DW18L
TYPE APPROVAL	E8 106R-001622

LOAD CAPACITY FOR TRACTOR, LB

Constant load

Pressure (psi)	**Speed** (mph)													
	0	**2.5**	**5 LT**	**10**	**12**	**15**	**17.5 5 HT**	**22.5**	**25**	**27.5**	**30**	**35**	**37.5**	**40**
12	11995	7585	6535	5910	5720	5545	5445	5355	5225	5080	4905	4775	4675	4540
17	15420	9755	8410	7595	7365	7130	7010	6890	6725	6550	6305	6140	6020	5840
23	18915	11970	10320	9315	9030	8740	8600	8455	8245	8025	7740	7530	7385	7165
29	20655	13075	11265	10175	9865	9545	9390	9235	9005	8765	8455	8225	8060	7825
35	22555	14265	12300	11110	10770	10430	10250	10085	9820	9570	9225	8975	8795	8545
41	24010	15190	13095	11830	11465	11100	10915	10735	10460	10185	9820	9545	9370	9095
46	26920	17030	14685	13260	12855	12445	12235	12035	11730	11420	11010	10705	10505	10195

Cyclic load

Pressure (psi)	Speed (mph)													
	0	2.5	5 LT	10	12	15	17.5 5 HT	22.5	25	27.5	30	35	37.5	40
12	11995	8720	7860	6990	6450	5810	5590	5400	5225	5080	4905	4775	4675	4540
17	15420	11220	10110	8995	8300	7475	7185	6955	6725	6550	6305	6140	6020	5840
23	18915	13755	12400	11035	10175	9170	8820	8530	8245	8025	7740	7530	7385	7165
29	20655	15025	13535	12050	11110	10020	9625	9315	9005	8765	8455	8225	8060	7825
35	22555	16400	14780	13160	12135	10935	10505	10165	9820	9570	9225	8975	8795	8545
41	24010	17460	15730	14010	12920	11640	11190	10825	10460	10185	9820	9545	9370	9095
46	26920	19575	17635	15710	14485	13050	12545	12135	11730	11420	11010	10705	10505	10195

TIRE DIMENSIONS

	New tire	Max. in service
OVERALL DIAMETER	68.2 in	69.4 in
TIRE WIDTH	18.3 in	19.8 in
PATTERN DEPTH	37/32 in	
PATTERN DEPTH ON TIE BAR	30/32 in	
MAX. INFLATION PRESSURE	46 psi	

STATIC LOADED RADIUS	31.2 in @ 11700 lb / 46 psi
DYNAMIC ROLLING CIRCUMFERENCE	206.9 in @ 11700 lb / 46 psi
DYNAMIC ROLLING RADIUS	32.9 in @ 11700 lb / 46 psi
SPEED RADIUS INDEX	825
TUBE VALVE	TR218A
TUBELESS VALVE	TR618A
BELT MATERIAL	Steel
MARKINGS	M+S
STUDDABLE	Yes Marked stud positions on tread Number of studs 192 pcs Recommended stud 12-20,12-23,12-24,16-19
VOLUME	148 gallons 100% 111 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
560	148	420	111	345	91	176	387	521	1149

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/