

# 580/70R38 166D/163E GROUND KING TL

Combining all-terrain mobility with on-road performance

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



## LOAD CAPACITY FOR TRACTOR, LB

### Tractor

Pressure (psi)	Speed (mph)													
	2.5	5	10	12	15	17.5	22.5	25	27.5	30	35	37.5	40	42.5
12	9370	8265	7385	6780	6535	6340	6175	6040	5895	5785	5675	5600	5510	5015
17	11805	10415	9305	8545	8235	7990	7780	7605	7430	7295	7155	7045	6945	6315
23	14530	12820	11455	10505	10120	9820	9570	9360	9140	8975	8795	8675	8545	7770
29	15930	14055	12555	11530	11100	10780	10495	10265	10030	9845	9655	9515	9370	8530
35	16865	14880	13295	12205	11760	11410	11110	10870	10615	10415	10220	10075	9920	9030
41	18740	16535	14770	13560	13060	12675	12345	12070	11795	11575	11355	11190	11025	10030
46	19865	17525	15655	14375	13845	13435	13085	12800	12500	12270	12035	11860	11685	10635

## 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	9370	8265	7385	6780	6615	6615	6615	6615	6340	6010
17	11805	10415	9305	8545	8335	8335	8335	8335	7990	7575
23	14530	12820	11455	10505	10250	10250	10250	10250	9820	9315
29	15930	14055	12555	11530	11245	11245	11245	11245	10780	10220
35	16865	14880	13295	12205	11905	11905	11905	11905	11410	10815
41	18740	16535	14770	13560	13230	13230	13230	13230	12675	12015
46	19865	17525	15655	14375	14020	14020	14020	14020	13435	12730

**TIRE DIMENSIONS**

	New tire	Max. in service
OVERALL DIAMETER	72 in	73.3 in
TIRE WIDTH	22.7 in	23.9 in
PATTERN DEPTH	71/32 in	
MAX. INFLATION PRESSURE	46 psi	

STATIC LOADED RADIUS	32.9 in @ 11700 lb / 46 psi
DYNAMIC ROLLING CIRCUMFERENCE	219.4 in @ 11700 lb / 46 psi
DYNAMIC ROLLING RADIUS	34.9 in @ 11700 lb / 46 psi
SPEED RADIUS INDEX	875
STUDDABLE	Yes Marked stud positions on tread Number of studs 144 pcs Recommended stud 12-20,12-23-12-24,16-19
VOLUME	184 gallons 100% 138 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
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/](http://www.nokiantyres.com/heavy/technical-tire-manual/)