

420/70R28 144D/141E NOKIAN TYRES GROUND KING SB TL

A crossover tire for mixed agricultural work

PRODUCT CODE	T445733
TIRE CLASSIFICATION CODE	R-1W
APPLICATION	Tractor
LI / SPEED SYMBOL	144D (141E)
RIM RECOMMENDED	DW13
RIM PERMITTED	DW14L, DW12
TYPE APPROVAL	E8 106R-001803



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	4950	4365	3900	3585	3450	3350	3265	3185	3110	3055	3000	2955	2910	2645
17	6370	5620	5025	4610	4440	4310	4200	4100	4010	3935	3860	3805	3750	3405
23	7715	6810	6085	5590	5380	5225	5080	4970	4860	4775	4675	4610	4540	4135
29	8400	7410	6615	6075	5855	5675	5535	5410	5280	5180	5080	5015	4940	4495
35	9105	8035	7175	6590	6350	6160	5995	5865	5730	5620	5525	5435	5355	4870
41	9930	8765	7825	7185	6925	6725	6550	6395	6250	6140	6020	5930	5840	5315
46	10495	9260	8265	7595	7320	7100	6910	6755	6605	6480	6360	6260	6175	5620

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	53.2 in	54.1 in
TIRE WIDTH	16.1 in	17.3 in
PATTERN DEPTH	58/32 in	
PATTERN DEPTH ON TIE BAR		
MAX. INFLATION PRESSURE	46 psi	

STATIC LOADED RADIUS	24.4 in @ 6150 lb / 46 psi
DYNAMIC ROLLING CIRCUMFERENCE	161.5 in @ 6150 lb / 46 psi
DYNAMIC ROLLING RADIUS	25.7 in @ 6150 lb / 46 psi
SPEED RADIUS INDEX	650
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	70 gallons 100% 53 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
265	70	199	53	163	43	83	183	246	542

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/