

12.00-20 20 176A5 NOKIAN TYRES MINE KING E-4 TT

Purpose designed and built special tire for drill rigs and utility vehicles

PRODUCT CODE	T445712
TIRE CLASSIFICATION CODE	E-4
APPLICATION	Drill rigs and other mining machines
LI / SPEED SYMBOL	176A5
PLY RATING	20
	8.5
RIM RECOMMENDED	Nominal dimensions and rim recommendations from TRA Off-The-Road standard
RIM PERMITTED	9.0, 8.0



LOAD CAPACITY FOR DRILL RIGS AND OTHER MINING MACHINES, LB

Pressure (psi)	Speed (mph)					
	0	creep	2.5	5	12	15
102	19180	16515	16515	16515	12710	12710
105	19575	16855	16855	16855	12965	12965
109	19975	17195	17195	17195	13230	13230
112	20360	17525	17525	17525	13480	13480
116	20745	17855	17855	17855	13735	13735
120	21120	18190	18190	18190	13990	13990
123	21495	18510	18510	18510	14230	14230
127	21860	18815	18815	18815	14475	14475
131	22225	19135	19135	19135	14715	14715
134	22585	19445	19445	19445	14960	14960
138	22940	19740	19740	19740	15190	15190
141	23290	20050	20050	20050	15420	15420
145	23635	20350	20350	20350	15655	15655

TIRE DIMENSIONS

	New tire	Max. in service
OVERALL DIAMETER	45.2 in	47.8 in
TIRE WIDTH	13 in	13.4 in
PATTERN DEPTH	44/32 in	
PATTERN DEPTH ON TIE BAR		
MAX. INFLATION PRESSURE	145 psi	

STATIC LOADED RADIUS	20.5 in @ 15700 lb / 145 psi
DYNAMIC ROLLING CIRCUMFERENCE	135.8 in @ 15700 lb / 145 psi
DYNAMIC ROLLING RADIUS	21.6 in @ 15700 lb / 145 psi
TUBE PRODUCT CODE	T52810
FLAP PRODUCT CODE	T299537
TUBE VALVE	V3.02.16
VOLUME	34 gallons 100% 26 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
130	34	98	26	80	21	41	90	121	267

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/