12.00-20 20 176A5/176A5 NOKIAN TYRES ARMOR GARD TT

Long service life for material-handling machines and loaders

PRODUCT CODE	T445459
TIRE CLASSIFICATION CODE	E-2
APPLICATION	Fork lift
LI / SPEED SYMBOL	176A5 (176A5)
PLY RATING	20
RIM RECOMMENDED	8.5 Nominal dimensions and rim recommendations from TRA standard
RIM PERMITTED	9.0

LOAD CAPACITY FOR FORK LIFT, LB

Load wheel

Pressure (psi)	**Speed** (mph)					
	0	**creep**	**2.5**	**5**	**12**	**15**
116	20745	17855	17855	17855	17855	17855
120	21120	18190	18190	18190	18190	18190
123	21495	18510	18510	18510	18510	18510
127	21860	18815	18815	18815	18815	18815
131	22225	19135	19135	19135	19135	19135
134	22585	19445	19445	19445	19445	19445
138	22940	19740	19740	19740	19740	19740
141	23290	20050	20050	20050	20050	20050
145	23635	20350	20350	20350	20350	20350

Steer wheel

Pressure (psi)	**Speed** (mph)					
	0	**creep**	**2.5**	**5**	**12**	**15**
116	16480	14430	14430	14430	13735	13735
120	16790	14685	14685	14685	13990	13990
123	17075	14945	14945	14945	14230	14230
127	17370	15200	15200	15200	14475	14475
131	17660	15455	15455	15455	14715	14715
134	17945	15710	15710	15710	14960	14960
138	18230	15950	15950	15950	15190	15190
141	18510	16195	16195	16195	15420	15420
145	18785	16435	16435	16435	15655	15655

TIRE DIMENSIONS

	New tire	Max. in service
OVERALL DIAMETER	45.2 in	46.9 in
TIRE WIDTH	13 in	13.4 in
PATTERN DEPTH	32/32 in	
PATTERN DEPTH ON TIE BAR		
MAX. INFLATION PRESSURE	145 psi	

STATIC LOADED RADIUS	20.5 in @ 15700 lb / 145 psi
DYNAMIC ROLLING CIRCUMFERENCE	135.1 in @ 15700 lb / 145 psi
DYNAMIC ROLLING RADIUS	21.5 in @ 15700 lb / 145 psi
TUBE PRODUCT CODE	T52810
FLAP PRODUCT CODE	T299537
TUBE VALVE	V3.02.16
VOLUME	38 gallons 100% 29 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
145	38	109	29	89	24	45	100	134	295

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/