

540/70R24 175A8/170D NOKIAN TYRES HAKKAPELIITTA TRI SB TL

Precise control and great efficiency

PRODUCT CODE	T445672
EQUIVALENT SIZE	21LR24
TIRE CLASSIFICATION CODE	R-4
APPLICATION	Wheel loader / Tractor
LI / SPEED SYMBOL	175A8 (170D)
RIM RECOMMENDED	DW18L
RIM PERMITTED	DW16L
TYPE APPROVAL	E8 106R-001576



LOAD CAPACITY FOR WHEEL LOADER, KG

Constant load

Pressure (kPa)	Speed (km/h)													
	0	5	10	15	20	25	30	35	40	45	50	55	60	65
80	4750	3005	2590	2340	2270	2195	2160	2125	2070	2015	1945	1890	1855	1800
120	6070	3840	3310	2990	2900	2805	2760	2715	2645	2575	2485	2415	2370	2300
160	7390	4675	4030	3640	3530	3415	3360	3305	3220	3135	3025	2940	2885	2800
200	8315	5260	4535	4095	3970	3845	3780	3715	3625	3530	3400	3310	3245	3150
240	8845	5595	4825	4355	4220	4085	4020	3955	3855	3750	3620	3520	3450	3350
280	9635	6095	5255	4745	4600	4455	4380	4305	4200	4090	3940	3835	3760	3650
320	10560	6680	5760	5200	5040	4880	4800	4720	4600	4480	4320	4200	4120	4000
360	11880	7515	6480	5850	5670	5490	5400	5310	5175	5040	4860	4725	4635	4500
400	12870	8140	7020	6340	6145	5950	5850	5755	5605	5460	5265	5120	5020	4875
450	14390	9100	7850	7085	6865	6650	6540	6430	6270	6105	5885	5725	5615	5450
500	15840	10020	8640	7800	7560	7320	7200	7080	6900	6720	6480	6300	6180	6000

Cyclic load

Pressure (kPa)	Speed (km/h)													
	0	5	10	15	20	25	30	35	40	45	50	55	60	65
80	4750	3455	3115	2770	2555	2305	2215	2140	2070	2015	1945	1890	1855	1800
120	6070	4415	3980	3540	3265	2945	2830	2735	2645	2575	2485	2415	2370	2300
160	7390	5375	4845	4310	3975	3585	3445	3330	3220	3135	3025	2940	2885	2800
200	8315	6050	5450	4850	4475	4030	3875	3750	3625	3530	3400	3310	3245	3150
240	8845	6430	5795	5160	4755	4290	4120	3985	3855	3750	3620	3520	3450	3350
280	9635	7010	6315	5620	5185	4670	4490	4345	4200	4090	3940	3835	3760	3650
320	10560	7680	6920	6160	5680	5120	4920	4760	4600	4480	4320	4200	4120	4000
360	11880	8640	7785	6930	6390	5760	5535	5355	5175	5040	4860	4725	4635	4500
400	12870	9360	8435	7510	6925	6240	5995	5800	5605	5460	5265	5120	5020	4875
450	14390	10465	9430	8395	7740	6975	6705	6485	6270	6105	5885	5725	5615	5450
500	15840	11520	10380	9240	8520	7680	7380	7140	6900	6720	6480	6300	6180	6000

TIRE DIMENSIONS

	New tire	Max. in service
OVERALL DIAMETER	1367 mm	1396 mm
TIRE WIDTH	540 mm	567 mm
PATTERN DEPTH	30 mm	
MAX. INFLATION PRESSURE	500 kPa	

STATIC LOADED RADIUS 603 mm @ 6900 kg / 500 kPa

DYNAMIC ROLLING CIRCUMFERENCE 4143 mm @ 6900 kg / 500 kPa

DYNAMIC ROLLING RADIUS 659 mm @ 6900 kg / 500 kPa

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

VOLUME 440 l 100%
330 l 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
440	116	330	87	271	72	138	304	409	902

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/