



Alliance 624
(All Steel)
445/70R19.5
(18R19.5)
173A8, 180A2

New Tire Release Document
G-460

Marketing Department.
Month: April 2015

New Tire Release Document

NTRD No: G-460

- **Release Month:** April 2015
- **Brand:** Alliance
- **Tread pattern:** 624
- **Size:** 445/70R19.5(18R19.5)
- **Product code:** 62400045
- **Main applications:** Wheeled Excavator, Big telescopic handlers, Construction machinery



ALL STEEL

AGRIFLEX
3SIZE RIM

624 ALL STEEL

The new Alliance 624 All Steel Radial is a unique tire for application in various machines, its features and benefits are mentioned below:

Features & Benefits

All steel radial construction:

- Puncture protection
- Higher load carrying capacity
- Higher durability
- Lower rolling resistance

Wide Base:

- Better machine stability

Mud Releaser:

- Improved self cleaning

Massive lugs with steep angle close to the central line:

- Better operational stability on hard surfaces

Lower angle close to shoulders:

- Superior traction

Massive center blocks:

- Suitable for on road application
- Better steering
- Reduced wear

Robust sidewall construction with rim guards:

- Better stability
- Enhanced load carrying capacity

Reinforced shoulders area:

- Puncture protection
- Lower down time





Technical Data

Pattern	Industrial
Tire Size	445/70R19.5 (18R19.5)
Tread Design	624
Tire weight <i>kg / lbs</i>	112.1 / 271
Non skid depth NSD mm / <i>in</i> /32	25.5 / 32/32
Number of lugs	16 X 2
TT/TL	TL
Catalogue number	62400045
Gross Flat Plate Area <i>cm</i> ² / <i>in</i> ²	1730 / 268
Volume <i>liters / gallons</i>	238.7 / 63
RCI	37.0
SRI	525.0

Size	Rim	Unloaded dimension		Loaded Static radius	Rolling circ. RCI	PR Load Index	Infl. press	Recommended load, kg (<i>lbs</i>)											
		SW	OD					Speed, km/h (<i>mph</i>)										Cyclic applications*	
								Constant load										Cyclic applications*	
								Static	5	10	25	30	35	40	5 ***	10 **	15		
mm	mm	mm	mm	mm	mm	mm	bar	psi	3	6	16	19	22	25	3	6	9		
445/70R19.5 (18R19.5) TL ALL STEEL 624	14	445	1105	497	3385	37	3.5	9590	6160	5210	4420	4340	4250	4170	6960	6260	5590		
																		51	21120
		17.5	43.5	19.6	37	3.5	9590	6160	5210	4420	4340	4250	4170	6960	6260	5590			
																	4	10370	6670
		17.5	43.5	19.6	37	3.5	9590	6160	5210	4420	4340	4250	4170	6960	6260	5590			
																	4.5	11110	7150
		17.5	43.5	19.6	37	3.5	9590	6160	5210	4420	4340	4250	4170	6960	6260	5590			
																	5	11820	7600
		17.5	43.5	19.6	37	3.5	9590	6160	5210	4420	4340	4250	4170	6960	6260	5590			
																	5.5	12490	8030
		17.5	43.5	19.6	37	3.5	9590	6160	5210	4420	4340	4250	4170	6960	6260	5590			
																	6	13130	8440
		17.5	43.5	19.6	37	3.5	9590	6160	5210	4420	4340	4250	4170	6960	6260	5590			
																	6.5	13750	8850
17.5	43.5	19.6	37	3.5	9590	6160	5210	4420	4340	4250	4170	6960	6260	5590					
															7	14350	9220	7800	6610
17.5	43.5	19.6	37	3.5	9590	6160	5210	4420	4340	4250	4170	6960	6260	5590					
															7.5	14950	9610	8000	6890
17.5	43.5	19.6	37	3.5	9590	6160	5210	4420	4340	4250	4170	6960	6260	5590					
															173A8	109	32930	21170	17620
17.5	43.5	19.6	37	3.5	9590	6160	5210	4420	4340	4250	4170	6960	6260	5590					
															180A2	109	32930	21170	17620

* Loads up to those in the table above are permitted for traction wheels of vehicles in cyclic loading minimal torque and wide in weight. Operations (max. speed 30 km/h) involving. Vehicles must be unloaded before transport outside the field.
 ** One way distance 600 meter.
 *** One way distance 150 meter.
 # Maximum load per tire includes all possible field and vehicle usage variations. For hill-side operations over 20% slop, only the basic load in the tables is permitted.

ATG

Alliance Tire Group specializes in the development, manufacturing, and marketing of Agriculture, Forestry, Construction, Industrial, Earth Moving and OEM applications under Alliance, Galaxy and Primex Brands.

Backed by nearly 60 years of experience, Alliance Tire Group serves customers in 120 countries and offers a full spectrum of products, from basic entry-level tires to a broad range of superior quality value-added products. All of the Group's tires are developed and tested at its advanced R&D centers.

Offices:

ATC Tires Pvt. Ltd.
 Tel: +91 22 3957 9600. Fax: +91 22 3957 9699

Alliance Tire Europe BV
 Tel: +31 (0) 164 676 270. Fax: +31 (0) 164 676 289

Alliance Tire Americas Inc.
 Tel: +1 800-343-3276. Fax: +1 781-321-1688

Alliance Tire Africa (Pty) Ltd.
 Tel: 27 41 3651097. Fax: 27 41 3653304

MEDIA CONTACT: contact@atgtire.com

Regional offices & representatives

Argentina • Australia • Brazil • China • Canada • France • Germany • Iberia • India
 Israel • Italy • Scandinavia • South Africa • The Netherlands • Turkey • UK • USA