

ALLIANCE 585 THE RADIAL CHOICE FOR MULTI-SURFACE PERFORMANCE



- Radial tire construction, deep usable tread for long tire life and durability
- Large footprint, steel belt and reinforced sidewall provide optimum load carrying capacity, cut, wear and puncture resistance
- Works on hard and soft surfaces
- Large tread blocks for stability on hard surface
- Excellent self cleaning and traction on loose surfaces

R-4

A8



ALLIANCE
ENGINEERED TO KEEP YOU AHEAD

DESIGNED FOR ALL SURFACES

The Alliance 585 radial is the perfect choice for telehandlers, backhoes and compact loaders, whether they're working on muddy construction sites, hard packed municipal lots or even asphalt. The large multi-directional block design and deep tread gives the tire great multi-directional traction and ensures long life and performance on hard surfaces.



CRITICAL PERFORMANCE WHERE IT'S NEEDED

Efficiency and productivity are the keys to profitability and Alliance 585 radial is designed to deliver.



- CONSTRUCTION**
- INDUSTRIAL**
- LOCAL AUTHORITIES**
- MATERIAL HANDLING**
- AGRICULTURAL**

WHY SWITCH TO RADIALS?

Radial tire technology on construction equipment delivers outstanding benefits in performance and profitability. Yokohama Off-Highway Tires is committed to bringing those benefits at an affordable price point to the construction industry—especially for machinery like skid steer and wheel loaders that are still running largely on old bias-ply technology.

RADIAL VS. BIAS-PLY CONSTRUCTION

Bias-ply tires are built up of alternating layers of rubber-coated fabric called plies, whose weave runs diagonally (or “on the bias”) from one bead to the other. That results in a relatively stiff, rounded tire that functions as a single unit—when the sidewall deflects, the tread area bows and flexes, too.



Radial tires are a very different, two-part construction. The weave of the body plies run perpendicular from one bead to the other, resulting in a much more flexible sidewall. The body is then wrapped around the tread area (radially) by durable belts that create a stiffer, reinforced footprint. When the sidewall flexes, the footprint remains stable and evenly distributed.

BETTER CONTACT AND MORE HORSEPOWER TO THE GROUND

The flexibility of radial sidewalls provide the smoother, softer ride that operators associate with the newer technology. The result is much better tire performance and more even tread wear. A larger, more even footprint is highly effective at transmitting a machine’s horsepower to the ground. That means higher performance from equipment—more of the horsepower the owner paid for.

MORE TRACTION, LESS SLIP

A better contact patch provides greater traction and less slip, boosting machine performance and reducing tread wear. Radials also encounter less rolling resistance.

BETTER FUEL ECONOMY

Reduced rolling resistance and less slip add up to better fuel economy. That’s one reason radials are especially good for equipment with high road miles or that shuttle more than 1,000 yards at a time.

LESS HEAT BUILD-UP

Heat kills tires. Radial tires are significantly more effective at dissipating heat than bias-ply tires are. That’s another reason radials are especially helpful on machines shuttling long distances or traveling over the road.

BETTER PUNCTURE RESISTANCE

Radial belts provide more puncture-resistant treads compared to bias-ply tires—some studies demonstrate almost twice as much. Steel belts provide especially powerful protection

LOWER TOTAL COST OF OWNERSHIP

Because they can last two, three, or more times longer than bias-ply tires due to their more even wear, lower heat build-up and better puncture resistance, radial tires cost less per hour to own than bias-ply tires do.

585 INDUSTRIAL RADIAL R-4 STEEL BELTED

The Alliance 585 is the perfect choice for telehandlers, backhoes and compact loaders working in farm fields and construction sites. The large multi-directional block tread design and higher tread depth ensures long life and exceptional performance on hard surfaces. Efficiency and productivity is the key to profitability and Alliance 585 is designed to provide both.

PRODUCT CODE	SIZE	ALT. SIZE	PR/LI	TYPE	TREAD DEPTH	PREFERRED RIM	OD	WIDTH	RC	SLR	MAX LOAD (LBS)	PSI	MAX SPEED
58500035	340/80R18	12.5/80R18	143A8/B	TL	36	W11	39.4	13.6	117.1	17.9	6000	58	25
58510746	400/70R18	16.0/70R18	147A8/B	TL	37	13	40.0	15.9	119.1	18.1	6780	58	25
58500002	340/80R20		144A8/B	TL	37	W11	41.4	13.5	123.1	18.6	6170	58	31
58510748	400/70R20	16.0/70R20	149A8/B	TL	38	W13	42.0	15.9	127.4	19.1	7160	58	25
58500001	400/80R24	14.9R24	162A8/B	TL	42	DW13	49.2	15.9	147.7	22.3	8810	58	25
58524800	440/80R24	16.9R24	161A8/B	TL	42	DW14L	51.7	17.4	155.0	23.3	10190	58	25
58520460	460/70R24	17.5LR24	159 A8 159 B	TL	44	DW15L	48.9	18.5	145.8	22.0	9645	58	25
58524220	500/70R24	19.5LR24	164A8	TL	43	DW16L	51.6	19.6	154.3	23.3	11000	58	25
58500005	540/70R24	21LR24	168A88/B	TL	43	W18	53.8	21.3	160.6	23.6	12330	58	31
58500003	440/80R28		163A8/B	TL	42	W13	55.7	17.4	168.3	24.9	10740	58	31
58500012	265/70R16.5	10R16.5	122A8/B	TL	29	8.25x16.5	30.4	10.4	90.7	13.9	3307	58	31
58500011	305/70R16.5	12R16.5	132A8/B	TL	29	9.75x16.5	32.7	12.1	97.1	14.8	4409	58	31
58500004	480/80R26		167A8/B	TL	42	W15L	56.2	19.1	167.6	25.2	12000	58	31

UNIQUE BLOCK-LUG HYBRID DESIGN

The Alliance 585 radial features a steel-belted design with high puncture protection and reinforced sidewalls. The deep, self-cleaning tread design increases traction in dry, wet and wintry surfaces while an increased rubber-to-void ratio delivers high resistance to wear and longer tire life in the face of abrasive surfaces like concrete and tarmac. And while the tire is primarily focused on standing up to tough conditions, the 585 delivers tight maneuvering in confined areas thanks to large and multi-directional tread blocks. These tread blocks also ensure optimum load carrying capacity while enhancing grip and traction.

VISIT YOKOHAMA-OHT.COM FOR DETAILED LOAD AND PRESSURE TABLES

Distributor:

Yokohama Off-Highway Tires (YOHT) is a division of The Yokohama Rubber Co., specializing in Agriculture, Forestry, Construction, Industrial, Material Handling, Earthmoving, Mining, Port and other commercial tires. YOHT sells its diverse product range, consisting of over 4,000 SKUs, in over 120 countries through its subsidiaries and channel partners. YOHT products are engineered to be application-specific and purpose-built. For more information visit www.yokohama-oht.com or email us at info@yokohama-oht.com.



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