



Aerial Work Platform Solutions

OTR offers a wide range of aerial work platform (AWP) solutions, which is the result of many years of experience designing highly productive, long-lasting products for this unique application. Our innovative and hands-on approach to this product category not only ensures our solutions will get the job done efficiently and safely, but they will also provide your customers with excellent value.



Our Approach to Aerial Work Platforms

When designing and building tire and wheel solutions, it's hard to beat the value of experience. That's why OTR's approach to Aerial Work Platforms (AWPs) has been to spend years working directly with the leading manufacturers of this equipment category to produce a vast lineup of dedicated innovations.

We offer solutions specially designed for AWP – an industry first for telescopic boom applications. And we are one of the only suppliers of **both directional and non-directional tire options** for this category. Our tires optimize stability and safety with best-in-class rubber compounds that ensure long, even tread wear and resistance to cutting/chipping.

And as with other tire/wheel solutions, we take a Good, Better, Best approach to our innovations. Whatever a customer needs, they can rest assured knowing they are getting the best performing tire/wheel in that category, while not paying for more than they need.



Scan to view fitments



Foam-Fill Program

We use premium, OEM-approved resins and recycled foam called “crumb” in our foam-filled tires. This is done at an OTR facility using a proven process to eliminate chunking and air pockets. It increases tire longevity, maximizing a customer's ROI.

We offer a foam-fill, tire and wheel exchange program to qualified dealers that service rental centers and end-users who require immediate replacement for damaged tires. Our dealers stock finished assemblies for replacement parts and draw from this stock to replace tires on a real-time basis.

See pages 14-15 for more information on our exchange program.



CUSTOM SOLUTIONS

OTR has worked with OEMs of all sizes across the globe to achieve unique tire and wheel solutions for off-the-road equipment working in the harshest environments. If you're looking for a custom solution or service, this is what we bring to the table:

→ Global Design Teams

With locations in the U.S., Canada, China and Sri Lanka.

→ Advanced Tools

FEA simulations, laser scanning, 3D printing, and more.

→ Product Testing

In-house testing (tire deflection, static loaded radius, etc.), test tracks for real-world data, and additional testing by third-party partners.

→ Core Design Expertise

Total systems solutions covering all types of off-the-road tires and wheels in a wide range of sizes.

→ Leading Software Platforms

CREA parametric modeling that supports legacy applications, such as SolidWorks, AutoCAD and Inventor.

LIFTBOSS® D228



Deep lugs for maximum grip, handling and self-cleaning.

Low-profile design for improved lateral stability and sidewall protection.

Available in pneumatic or foam-filled assemblies, the LIFTBOSS® with directional tread offers a more traditional approach to aerial work platform applications. Constructed of the exclusive SolidBoss® rubber compounds, the tires resist chunking and slicing damage, helping ensure longer life.

TIRE INFORMATION			DIMENSIONAL DATA					INFLATION AND LOAD DATA		
Tire Size	Part Number	Ply	Overall Diameter	Section Width	Rim Size	Tire Weight	Tread Depth	Rated Pressure	Load Capacity	
			IN (MM)	IN (MM)	IN (MM)	LBS (KG)	IN (MM)	PSI (KPA)	LBS@MPH (KG@KM/H)	
DIRECTIONAL										
26 X 12D380	T228082612380	8	COMING SOON!							
355/55D625	T2281435555D625	14	36.82 (935.2)	14.02 (356.1)	24.5 X 11.75 (622.3 X 298.5)	108.69 (49.3)	1.02 (25.9)	75 (517)	10,200@5 (4,626.6@8.0)	
15-625	T2281615625	16	COMING SOON!							

LIFTBOSS® ND226



Integrated sipes for rapid water draining and self-cleaning.

Unique flat center lug design for improved wear life and stability when operating on- or off-road.

Low-profile design for improved lateral stability and sidewall protection.

LIFTBOSS® is a non-directional tread tire specially designed for aerial work platform applications – an industry first for telescopic boom applications. This AWP-specific tread provides optimum stability, safety, convenience and service life.

TIRE INFORMATION			DIMENSIONAL DATA					INFLATION AND LOAD DATA	
Tire Size	Part Number	Ply	Overall Diameter	Section Width	Rim Size	Tire Weight	Tread Depth	Rated Pressure	Load Capacity
			IN (MM)	IN (MM)	IN (MM)	LBS (KG)	IN (MM)	PSI (KPA)	LBS@MPH (KG@KM/H)
NON-DIRECTIONAL									
26 X 12D380	T226082612380	8	26 (660.4)	12 (304.8)	15 X 10 (381.0 X 254.0)	48.9 (22.2)	0.69 (17.5)	42 (290)	TBD
355/55D625	T2261435555D625	14	36.73 (932.9)	14.12 (358.6)	24.5 X 11.75 (622.3 X 298.5)	114.18 (51.8)	0.954 (24.2)	75 (517)	10,200@5 (4,626.6@8.0)
15-625	T2261615625	16	40.29 (1,023.4)	15.54 (394.7)	24.5 X 13 (622.3 X 330.2)	171.1 (77.6)	1.77 (45.0)	100 (689)	TBD

Deep lugs for maximum grip, handling and self-cleaning.

Heavy-duty sidewalls for extra durability.

Reinforced bead.



LIFTBOSS® S/T R4

LIFTBOSS® S/T is a market-leading construction tire design, featuring deep lugs for maximum grip, handling and self-cleaning. Rim guards, reinforced bead and heavy-duty sidewalls add durability and protection from cuts and punctures. Its tread design enhances stability and safety, while ensuring productivity and utilization – the perfect combination for rental companies and fleets.

Deep, stepped lugs for better grip and self-cleaning performance.

Reinforced sidewall with rim guard provides maximum protection against cuts and punctures.



MUDSHARK HF3

MUDSHARK HF3 offers heavy-duty construction with deep lugs, improving traction and cleaning. It's cut- and puncture-resistant with a rim guard for sidewall protection. An HBR option is available with a shortened sidewall for better handling and grip when operating on soft ground.

TIRE INFORMATION			DIMENSIONAL DATA					INFLATION AND LOAD DATA	
Tire Size	Part Number	Ply	Overall Diameter	Section Width	Rim Size	Tire Weight	Tread Depth	Rated Pressure	Load Capacity
			IN (MM)	IN (MM)	IN (MM)	LBS (KG)	IN (MM)	PSI (KPA)	LBS@MPH (KG@KM/H)
R4									
12-16.5	T2611212165	12	34.13 (866.9)	12.33 (313.2)	16.5 X 9.75 (419.1 X 247.7)	84.66 (38.4)	0.709 (18.0)	80 (552)	6,320@5 (2,866.7@8.0)
15-625	T2611615625	16	40.29 (1,023.4)	15.75 (400.1)	24 X 5.13 (609.6 X 130.3)	136.24 (61.8)	0.73 (18.5)	100 (689)	12,300@5 (5,579.2@8.0)
18-625	T2611618625	16	40.4 (1,026.2)	17.42 (442.5)	24.5 X 15 (622.3 X 381.0)	173.94 (78.9)	0.744 (18.9)	100 (689)	15,200@5 (6,894.6@8.0)
IN265/50D20	T2611026550D20	10	31.7 (805.2)	10.16 (258.1)	20 X 9 (508.0 X 228.6)	59.84 (27.1)	0.063 (1.6)	75 (517)	4,710@5 (2,136.4@8.0)
IN315/55D20	T2611231555D20	12	32.32 (820.9)	12.6 (320.0)	20 X 11 (508.0 X 279.4)	76.5 (34.7)	0.705 (17.9)	80 (552)	6,320@10 (2,866.7@16.1)
355/55D625	T26114355D625	14	37.55 (953.8)	13.5 (342.9)	24.5 X 11.75 (622.3 X 298.5)	103.18 (46.8)	0.754 (19.2)	75 (517)	7,600@10 (3,447.3@16.1)
IN385/65D19.5	T2611638565D195	16	39.13 (993.9)	15.63 (397.0)	19.5 X 11.75 (495.3 X 298.5)	161.7 (73.3)	0.81 (20.6)	100 (689)	10,880@5 (4,935.1@8.0)
IN385/65D22.5	T2611638565D225	16	42.86 (1,088.6)	15.82 (401.8)	22.5 X 11.75 (571.5 X 298.5)	203.04 (92.1)	0.791 (20.1)	100 (689)	12,300@5 (5,579.2@8.0)
IN445/50D710	T2611844550D710	18	46.51 (1,181.4)	17.44 (443.0)	28 X 15 (711.2 X 381.0)	203.48 (92.3)	0.839 (21.3)	100 (689)	16,100@5 (7,302.8@8.0)
IN445/50D710	T2612444550D710	24	46.51 (1,181.4)	17.44 (443.0)	28 X 15 (711.2 X 381.0)	203.48 (92.3)	0.839 (21.3)	100 (689)	25,400@5 (11,521.2@8.0)
IN445/55D19.5	T2611644555D195	16	40.25 (1,022.4)	16.75 (425.5)	19.5 X 13 (495.3 X 330.2)	191 (86.6)	0.81 (20.6)	85 (586)	13,200@5 (5,987.4@8.0)
IN445/65D22.5	T2611844565D225	18	46.38 (1,178.1)	16.25 (412.8)	22.5 X 13 (571.5 X 330.2)	222 (100.7)	0.902 (22.9)	115 (793)	19,500@5 (8,845.1@8.0)

TIRE INFORMATION			DIMENSIONAL DATA					INFLATION AND LOAD DATA	
Tire Size	Part Number	Ply	Overall Diameter	Section Width	Rim Size	Tire Weight	Tread Depth	Rated Pressure	Load Capacity
			IN (MM)	IN (MM)	IN (MM)	LBS (KG)	IN (MM)	PSI (KPA)	LBS@MPH (KG@KM/H)
HF3									
23 X 10.50-360	T25408231050360	8	COMING SOON!						
26 X 12D380	T254082612D380	8	26.15 (664.2)	11.96 (303.8)	15 X 10 (381.0 X 254.0)	42.99 (19.5)	0.65 (16.5)	42 (290)	3,220@5 (1,460.6@8.0)



WORKBOSS® A/T NON-DIRECTIONAL

WORKBOSS® A/T with a non-directional tread is a versatile, heavy-duty solution for tough environments. Deep lugs provide added all-terrain traction and stability, especially on uneven surfaces, and promote top self-cleaning performance in muddy conditions. Sidewalls are reinforced and rim guards are included for maximum protection.



WORKBOSS® S/T R4

WORKBOSS® S/T features a directional R4 tread with wide lugs for maximum surface contact. It's self-cleaning with a reinforced sidewall for protection, and is designed for high-performance, especially in mud, sand and gravel.

TIRE INFORMATION			DIMENSIONAL DATA					INFLATION AND LOAD DATA	
Tire Size	Part Number	Ply	Overall Diameter	Section Width	Rim Size	Tire Weight	Tread Depth	Rated Pressure	Load Capacity
			IN (MM)	IN (MM)	IN (MM)	LBS (KG)	IN (MM)	PSI (KPA)	LBS@MPH (KG@KM/H)
NON-DIRECTIONAL									
10-16.5	T2631010165	10	31.14 (791.0)	10.77 (273.6)	16.5 X 8.25 (419.1 X 209.6)	62.74 (28.5)	0.65 (16.5)	75 (517)	4,710@5 (2,136.4@8.0)
12-16.5	T2631212165	12	32.65 (829.3)	12.53 (318.3)	16.5 X 9.75 (419.1 X 247.7)	75.62 (34.3)	0.689 (17.5)	80 (552)	6,320@5 (2,866.7@8.0)
14-17.5	T2631414175	14	36.74 (933.2)	13.39 (340.1)	17.5 X 10.5 (444.5 X 266.7)	116.4 (52.8)	0.791 (20.1)	75 (517)	8,540@5 (3,873.7@8.0)

TIRE INFORMATION			DIMENSIONAL DATA					INFLATION AND LOAD DATA	
Tire Size	Part Number	Ply	Overall Diameter	Section Width	Rim Size	Tire Weight	Tread Depth	Rated Pressure	Load Capacity
			IN (MM)	IN (MM)	IN (MM)	LBS (KG)	IN (MM)	PSI (KPA)	LBS@MPH (KG@KM/H)
R4									
39 X 15-22.5	T262143915225	14	38.5 (977.9)	15.3 (388.6)	22.5 X 11.75 (571.5 X 298.5)	118 (53.5)	0.905 (23.0)	105 (724)	14,385@5 (6,524.9@8.0)

Deep angled lugs improve grip and handling, especially on sandy or wet surfaces.



Flat profile design increases stability and tire life.

LITEFOOT R3

LITEFOOT is purpose-built with an application specific tread pattern enabling aerial lift machinery to be gentle on delicate surfaces while providing the right amount of traction to get the job done. The unique tread design provides great handling on a variety of surfaces. It's constructed with a flat-profile design and long-wear rubber compound to provide extended service life and enhanced ROI. An HBR version of the tire is built with a shorter, stiff sidewall to reduce tire deflection, providing superior stability for high reach equipment with a high center of gravity.

Sipes and deep grooves ensure self-cleaning while improving traction in wet and muddy conditions.



LITEFOOT PRO R3

LITEFOOT PRO is a flotation tire designed for driving on soft surfaces, delivering excellent traction and a smooth ride that is gentle on turf.

TIRE INFORMATION			DIMENSIONAL DATA					INFLATION AND LOAD DATA	
Tire Size	Part Number	Ply	Overall Diameter	Section Width	Rim Size	Tire Weight	Tread Depth	Rated Pressure	Load Capacity
			IN (MM)	IN (MM)	IN (MM)	LBS (KG)	IN (MM)	PSI (KPA)	LBS@MPH (KG@KM/H)
R3									
26 X 12.00-380	T4082612380	8	26 (660.4)	12 (304.8)	15 X 10 (381.0 X 254.0)	43.4 (19.7)	0.653 (16.6)	42 (290)	3,220@5 (1,460.6@8.0)
33 X 16LL500	T4103316LL500	10	31.92 (810.8)	13.5 (342.9)	19.5 X 11.75 (495.3 X 298.5)	49.9 (22.6)	0.65 (16.5)	46 (317)	3,860@5 (1,750.9@8.0)

TIRE INFORMATION			DIMENSIONAL DATA					INFLATION AND LOAD DATA	
Tire Size	Part Number	Ply	Overall Diameter	Section Width	Rim Size	Tire Weight	Tread Depth	Rated Pressure	Load Capacity
			IN (MM)	IN (MM)	IN (MM)	LBS (KG)	IN (MM)	PSI (KPA)	LBS@MPH (KG@KM/H)
12-16.5	T2091012165	10	33.5 (850.9)	12.17 (309.1)	16.5 X 9.75 (419.1 X 247.7)	61.51 (27.9)	0.563 (14.3)	65 (448)	4,180@5 (1,896.0@8.0)

Unique grooved treads improve ground contact while channeling water away.



Heavy-duty sidewall with rim guard helps protect the tire from damage.

FLOAT MASTER DIRECTIONAL

FLOAT MASTER is a flotation-style turf-friendly tire designed for OEM lifts. Its wide stance and grooved treads enhance ground contact, channeling water away. Heavy-duty sidewalls and rim guards enhance durability while protecting the tire from cuts and punctures.

TIRE INFORMATION			DIMENSIONAL DATA					INFLATION AND LOAD DATA	
Tire Size	Part Number	Ply	Overall Diameter	Section Width	Rim Size	Tire Weight	Tread Depth	Rated Pressure	Load Capacity
			IN (MM)	IN (MM)	IN (MM)	LBS (KG)	IN (MM)	PSI (KPA)	LBS@MPH (KG@KM/H)
DIRECTIONAL									
18-625	T2031618625	16	40 (1,016.0)	17 (431.8)	24.5 X 15 (622.3 X 381.0)	142.6 (64.7)	0.25 (6.4)	100 (689)	15,200@5 (6,894.6@8.0)



EXCHANGE PROGRAM

OTR's Exchange Program allows customers to purchase replacement assemblies for their equipment at a discounted rate. New tires are mounted on refurbished wheels, foam filled and ready for machine installation. Customers benefit from minimal downtime and cost savings.



How It Works

- Available for tire sizes 12-16.5, 13.00-24, 13.00-28, 14.00-24, 14.00-28, 15-19.5, 15.5-25, 15-625, 17.5-25, 18-625, 39 X 15-22.5, 370/75-28, 400/75-28, 385/65D22.5, 385/65D19.5, 355/55D625, 445/55D710, 445/55D19.5, and 445/65D22.5.
- Place your order for replacement assemblies and prepare your current assemblies for shipment to the closest OTR location (see below for locations).
- Swap assemblies need to be returned within 2 weeks after order delivered.
- All swap wheels are inspected to ensure working condition. If unusable, OTR will bill for new wheels.

FURTHER PROGRAM BENEFITS:

- **Environmentally Friendly:** Exchange program recycles tires and foam fill.
- **Smart Equip Ordering System:** OTR provides fast response to orders placed.
- **Just-In-Time Delivery:** OTR can deliver "just in time" when required and supports all models carried by retail stores.
- **Rental Stores:** Enhance efficiency and profits with "no more flats" and competitive pricing.

PARTICIPATING LOCATIONS:

Clinton, SC USA

29086 US-76
Clinton, SC 29325
P: 864.547.1180
ISO: 9001-2015

Denver, CO USA

4675 Holly St Unit B
Denver, CO 80216
P: 720.460.2000
ISO: 9001-2015

Fort Worth, TX USA

701 W Risinger Rd
Fort Worth, TX 76140
P: 817.225.0926
ISO: 9001-2015

Jacksonville, FL USA

1044 Lane Ave N
Jacksonville, FL 32254
P: 904.786.7542
ISO: 9001-2015

Omaha, NE USA

4350 McKinley St
Omaha, NE 68112
P: 402.455.4910
ISO: 9001-2015

Rome, GA USA

195 Chatillon Rd
Rome, GA 30161
P: 706.235.9781
ISO: 9001-2015

Edmonton, AB Canada

8113 Coronet Rd
Edmonton, AB T6E 4N7
P: 780.455.5177
ISO: 9001-2015

Guelph, ON Canada

430 Elizabeth St
Guelph, ON N1E 2Y1
P: 800.833.6309
ISO: 9001-2015

Phoenix, AZ USA
Coming Soon!



See Full Program Details Here

Aerial Work Platform Solutions



OTR Engineered Solutions

OTR Engineered Solutions (OTR) is a market-leading global enterprise specializing in off-the-road terrain engaging solutions for original equipment manufacturers (OEMs) and aftermarkets. OTR also provides value-added services such as warehousing, tire mounting, and sequencing. Core markets include Construction, Lawn & Garden, Powersports, Agriculture, Forestry, Mining, Material Handling, and Specialty Vehicles.

+1.800.833.6309

www.otrwheel.com



OTR is the operating unit of OTR International, Inc., comprising businesses located in the U.S., Canada, Europe, China, Thailand and Sri Lanka. OTR is a partner company of Owner Resource Group (ORG), LLC.

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Fitments Guide



Warranty Information