



SPECIALTY VEHICLES 2021



OTR WHEEL ENGINEERING, INC. (OTR) is your global partner for high-quality, engineered, off-the-road tires, wheels, assemblies and accessories. Thank you for choosing OTR as a resource to help find the right solution for your vehicle or machine. We are proud to supply well-known original equipment manufacturers and aftermarket customers in the Specialty Vehicles market, garnering a reputation as a solutions provider, using customer feedback to develop innovative products and services that solve problems and add value.

COMPANY OVERVIEW

OTR is a multinational enterprise with over 1,000 employees dedicated to supporting customers around the world. Core markets include Specialty Vehicles, Agriculture, Forestry, Mining, Construction, Powersports, Lawn & Garden, Industrial and Material Handling.

OTR's global infrastructure comprises 38 manufacturing facilities and warehouses located in the U.S., Canada, Europe, and Asia. Our business model is based not only on developing, manufacturing and supplying market-driven products, but also services such as warehousing, tire mounting, sequencing, tire liner, foam-fill and modular assembly in facilities located near customers. We also support a network of distribution partners servicing local markets with one-stop-shopping for OTR products.

SPECIALTY VEHICLES

OTR's product line-up for specialty vehicles is the result of many years of experience, innovations and a hands-on approach that ensures our products get the job done. Whether you are focused on productivity, utilization, safety or value, OTR's team will help you find the right solution.





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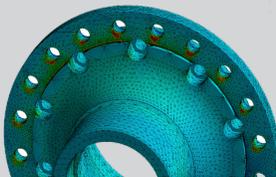
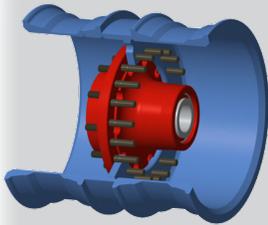
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SPECIALTY



OTR is uniquely qualified to develop, manufacture and supply highly engineered wheels and tire assemblies for specialty vehicles. Our core competency is framed by technical capabilities comprising the following elements:

- ✓ Static and structural simulations
- ✓ 3-D printing
- ✓ Dimensional evaluations
- ✓ Verification testing, performed in-house and via accredited 3rd party sources

These capabilities, among others—using industry-recognized tools, state-of-the-art tools and systems—drive innovative tire, wheel assembly designs and solutions that are on target for specialty vehicle customers.





SPECIALTY VEHICLES

OFF-ROAD HEAVY DUTY TRUCKS

OFF-ROAD HEAVY DUTY TRUCKS

OTR designs and manufactures custom steel wheels for heavy-duty trucks used in severe-duty, off-road applications supporting industries such as oil field drilling, construction, forestry, mining, ground support equipment and the military. We supply wheels to leading OEMs, plus tires to heavy-duty trailer manufacturers, supporting vehicles with a GVWR (gross vehicle weight rating) of 150,000 lbs. and more. Sizes range from 20" – 25", in 1-, 3- and 5-piece configurations. Assemblies accommodate bolt-hole requirements covering standard, custom and demountable type wheels, plus tubeless applications. Products include:

- » Complete wheel assemblies
- » Components
- » Accessories such as spacers and clamps

Wheel designs are compatible with industry tire and rim standards, ensuring correct fitments and special requirements, e.g. flotation applications and use on rough terrain.



OTR's proprietary designs and advanced technology ensure our preferred status with companies such as PACCAR (Kenworth and Peterbilt), Daimler Trucks North America (Freightliner and Western Star) and others. OTR engineers collaborate with our customers' staffs to design applications-specific wheels, accounting for a wide range of axles, loads and life cycle targets related to durability, longevity and reliability. Of particular note, we manufacture rim assemblies and components featuring seamless forged sections and HSLA grade steel for critical components, thereby ensuring high performance and robustness in extreme applications.





SPECIALTY TRUCK TRAILERS

SPECIALTY VEHICLES

SPECIALTY TRUCK TRAILERS

OTR supplies custom commercial-grade DOT compliant tire and wheel assemblies for specialty trailers traveling on-highway. On-highway tire sizes in scope include 11R22.5, 255/70R22.5, 275/70R22.5 and 425/65R22.5. Wheel sizes include 19.5 x 11.75, 22.5 x 8.25, 22.5 x 9 and 22.5x13, with pilot and stud hub configurations.



SPECIALTY

CONVEYORS



CONVEYORS

OTR supplies custom tires and wheels for OEM portable conveyor applications—the same products, for the most part, we provide for heavy-duty truck trailer applications. Additionally, heavy-duty versions of OTR's market-leading industrial tire—the Outrigger—are available for conveyors to optimize traction and stability on rough terrain, thus ensuring productivity, machine utilization and operator safety.

OTR's on-highway tire and wheel assemblies, coupled with our Outrigger tire line for off-road use, delivers a total mobility solution to end users.



OUTRIGGER is OTR's well-regarded industrial tire, featuring deep lugs for maximum grip, handling and self-cleaning; rim guards; reinforced beads; and heavy-duty sidewalls for durability and protection from cuts and punctures. Ultra-heavy-duty models are available for mobile conveyors once set up for work in the field—385/65R22.5 and 445/50S710 rated at 18- and 24-ply, respectively, handling up to 47,000 pounds each. These tires are designed to sustain heavy loads and continuous operation, once deployed, optimizing productivity and machine utilization.





SPECIALTY VEHICLES

CLEANING EQUIPMENT

CLEANING EQUIPMENT

OTR offers custom tire and wheel assemblies for OEMs who produce commercial cleaning equipment, including riding, walk-behind and mechanical street sweepers. Tires include foam-filled pneumatic, solid and closed-cell poly foam types, with steel wheels designed for durability and long-life, whether used inside or out. Poly foam tires provide additional cushion and support.



SPECIALTY

TREE CARE

TREE CARE

OTR provides custom wheels for OEMs producing tree care machines, such as stump grinders and wood chippers. Wheels can be sourced with tires for complete assemblies. Wheels are designed and manufactured to withstand shock and vibration and continuous exposure to the elements.





MILITARY VEHICLES

SPECIALTY VEHICLES

MILITARY VEHICLES OTR tire and wheel assemblies can be specified for OEM military applications. Tires include standard pneumatic, pneumatic foam-fill and solid types, featuring our premium brand, Solid-Boss. Consult with your OTR salesperson for more information.



SPECIALTY





SPECIALTY VEHICLES

TIRE SHIELDS

SPECIALTY

OTR TIRE SHIELDS protect valuable assets from sidewall damage caused by punctures and cuts, thus ensuring continued vehicle mobility especially on extreme terrain. This in turn reduces downtime while enhancing safety for the operator and workers at the jobsite. Constructed with a durable composite material, shields are also lightweight so there is minimal impact on overall vehicle weight and no disruption in tire balance. Easy to install, shields mount directly to hub flanges via custom lock and adapter rings, with lug nut protection. There are eight part numbers, with additional sizes coming soon.



PART #	TIRE	WHEEL
TS20578160965	12.00-20	20X8
TS25702261135	14.00-25	25X11.25
TS60471-01	16.00-25	25X11.25
TS60471-01	23.5R25	25X19.5
TS25730261379	18.00-25	25X13
TS60457-01	305/85R22.5	20X10
TS604384-01	26.5R25	25X22
TS60514-01	29.5R25	25X25



Lug nut protector provides added protection.



Mounts directly to the attached mounting ring



OTR Wheel Engineering can integrate the mounting ring or pattern to your wheels



REDUCE LIFE CYCLE COST

OTR tire shields reduce tire cycle costs by keeping expensive tires out of harm's way. This also reduces labor cost to replace tires. Less downtime means more productivity and machine utilization—critical success factors for fleet operations at jobsites with deadlines to meet. The assembly is easy to install and validated by OEMs in the field.



SPECIALTY VEHICLES

CONTACT INFORMATION

- For OEM inquiries contact your local OTR salesperson or send an email to sales@otrwheel.com.
- For aftermarket inquiries, contact your local OTR salesperson or call 800-833-6309 if you are located east of the Mississippi River or 888-455-4910 if you are located west of the Mississippi. You may also email us at sales@otrwheel.com.
- For information on Trans American Rubber tubes, flaps or accessories, contact us at 800-922-8823.

WARRANTY INFORMATION

- OTR provides limited warranty coverage for tires, wheels, tracks and other items in the event of defects in workmanship. You may request a copy of our policy by emailing us sales@otrwheel.com.
- Note that OTR has designated select dealers and distributors to assist with warranty repairs. Contact OTR for more information.

CATALOG DISCLAIMER

Product specifications and information were correct as of the date of this catalog release but are subject to change without notice or obligation. Every effort has been made to ensure the accuracy of this catalog. Consult with your salesperson if you wish to verify data is correct.

ISO 9001: 2015 CERTIFICATION

OTR facilities are ISO 9001: 2015 registered (except for new locations where certifications are in process). ISO ensures consistent product quality, standardization, documentation and compliance with OEM requirements.

REACH COMPLIANCE

OTR's custom tires for OEMs can be designed with REACH compliance. Consult with your salesperson as needed.

OTR SNOW & TIRE KITS-SKID STEER LOADER APPLICATIONS



OTR SNOW & TIRE WHEEL KITS are available, designed to solve the fundamental problem with skid-steer loaders having plenty of power but NO traction in the winter. Fitments cover popular models, including Bobcat, Deere, Case, New Holland, CAT and Gehl. Narrow-profile radial tires are designed to efficiently transfer power to the ground, resulting in less slipping and sliding, while preventing damage from curb stops. Extra deep lugs and grooves grip and push snow away, for improved traction. Steel wheels include valve guards, available in with orange, cream, silver or black. (See our Specialty Vehicle/Machine catalog for more information and/or consult with your OTR salesperson.)



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