BEYOND ROAD
DIGITAL ENVIRONMENT

We are dedicated to being your best partner, and this also reflects in the online tools we make available. Whether it’s through our websites, our social media accounts or digital tools, stay connected to receive the latest updates!

WEBSITES
Developed for those who work and play on a surface that isn’t a road, our websites provide information and tools wherever and whenever users need them, no matter what device they’re using: a phone, a tablet or a computer.

- Product selectors for OTR tires, tracks and track systems for the Construction, Material Handling, Agriculture, and Powersports industries
- Dedicated content such as testimonials, videos, best practices and industry news
- Service and support information including warranty documents, data books and fitting guides
- Contact finder

business.michelin.co.uk | camso.co

BEYOND ROAD CONNECT
Beyond Road Connect is a tool that helps explaining the features and benefits of our Material Handling, Construction and Agriculture products.

- Accessible offline with the iOS app
- Complete product information, including features, benefits, product sheets, and customer feedback (voice of customer), etc
- 360 views of products and action videos
- Product support information

Credentials are needed to access the platform, please make sure to create your account by completing this form: connectbeyondroad.michelingroup.com/user/registration
connectbeyondroad.michelingroup.com

INTENSITY CALCULATOR
Our Intensity Calculator for solid tires helps you select the right product for your application. It will help you measure the work that the tires will perform and help you select the best solution.

intensitycalculator.camso.co
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ABOUT THE BROCHURE

This Beyond Road Material Handling brochure offers a complete overview of our products and services for every business segment, as well as some maintenance tips, details on warranty and links to our online tools. The brochure showcases the complete Michelin and Solidal material handling product portfolio, and it is available for limited distribution among our dedicated representatives to support sales efforts. The brochure has been designed to be used online or to be printed – whether as a whole or only the desired pages.

WE ARE EXPLORERS, ADVENTURERS AND INNOVATORS, WE ARE MICHELIN BEYOND ROAD

WHY MICHELIN BEYOND ROAD

As off-the-road mobility specialists, we acknowledge the strong specificity of our customers and offer them relevant off-the-road mobility solutions. Beyond Road means that we'll always look for better ways to partner with our customers to solve their challenges with innovative, relevant and unique products and services.

Our Beyond Road Material Handling team is committed to

- Go further by providing our customers with trusted off-the-road solutions that make their journey easier, more productive, sustainable and enjoyable.
- Listen, understand and learn about each of our customers' realities.
- Anticipate, collaborate and adapt to create a safer and more efficient work environment.
- Empower ourselves to make responsible decisions in the interests of our partners.
- Pioneer innovative ideas to achieve our sustainability goals.
EFFICIENT AND SAFE MATERIAL HANDLING OPERATIONS

At Michelin Beyond Road, we accelerate your activities for more efficiency. As off-the-road mobility specialists, we developed our expertise in the field, with our clients and partners, understanding and foreseeing the challenges of today’s evolving warehousing and logistics, ports operations, and airport ground support handling activities.

Our products are engineered and manufactured with rigorous quality standards to guarantee the safety and reliability of your operations. Be it radial, bias, solid resilient, press on tires, or wheels, we have the technology and the range to match your needs. You name it, we handle it.

PRODUCTIVITY
Designed to OEM specifications, our tires and wheels ensure smooth, safe operations at the lowest operating cost, providing maximum uptime for your fleets. We can also offer a worldwide service coverage available 24/7, helping you get the job done, on time.

SUSTAINABILITY
With the aim of being a driving force in sustainable mobility, our vision is that by 2050, our tires will be entirely produced with sustainable materials and that every effort will be made, across every industry stakeholder, to ensure that 100% of end-of-life tires are recycled or reused.

SAFETY
Listening to our clients in the field and investing in research and development helps us ensure our mobility solutions meet and respect safety requirements worldwide. That’s how we were able to develop innovative solutions like our non-marking anti-static tires to address the issue of electricity build-up and our TireCare TPMS monitoring solution to avoid unplanned downtime. Furthermore, we work closely with clients to help them understand the impact and risks of tire wear, as well as the importance of selecting the right tire for their specific application.
WE HAVE THREE DEDICATED BUSINESS SEGMENTS
Supported by our extensive service offering through our global network of partners

WAREHOUSING, LOGISTICS AND INDUSTRY
To reach the highest productivity levels required for warehousing, logistics and industry operations, we provide the optimal material handling and logistics solutions, no matter the environment or the intensity of your application. Chosen by many of the world’s leading OEMs, our tires, wheels and assemblies ensure smooth, safe operations at the lowest operating cost, providing maximum uptime for your fleets.

SMALL CAPACITY FORKLIFTS
MULTI-DIRECTIONAL FORKLIFTS
MEDIUM CAPACITY FORKLIFTS
SIDEDOER FORKLIFTS
ARTICULATED FORKLIFTS
PORT OPERATIONS

To help you meet today’s safety and vessel turnaround time challenges, our experts have developed tires and services specifically adapted to allow you to manage the toughest load and speed requirements, such as straddle carriers with twin lift operations. By creating strong and close relationships with our clients, we also have the ambition of being a key partner in the race for automation and sustainable operations.
AIRPORT GROUND SUPPORT HANDLING

Facing the challenges of your daily activities via a single point of contact, our team provides a tailored approach that covers entirely the specific needs of airport ground support handling. From fueling, to aircraft towing or baggage handling, our solutions support operations to ensure a smooth and safe coordination of all ground support activities allowing the aircraft to take off within the strict time constraints.

COMPLEMENTARY RANGE

Michelin also provides an extensive range of complementary products within the array of airport ground support activities, covering all of your operations’ needs.
COMPLETE LINE OVERVIEW

INDUSTRIAL PNEUMATIC TIRES | RADIAL

- Michelin XZM2 +
- Michelin XZM2 +
- Michelin X Stacker 2
- Michelin X Stacker 2 LC
- Michelin X Straddle 2
- Michelin X Terminal-T
- Michelin XZM
- Michelin XZL

INDUSTRIAL PNEUMATIC TIRES | BIAS

- Solideal Air 550
- Solideal ED + NM
- Solideal Air 570
- Solideal Hauler LT
- Solideal Hauler SM
- Solideal Hauler HA-TR
- Solideal Portmaster HD
- Solideal Air 561
When it comes to tires, it’s all about delivering the right product for the unique mobility challenges of the material handling industry. Be it pneumatic or solid tires, we have the range to meet the realities of today’s evolving material handling applications. Machine requirements have changed – they now on average travel at higher speeds and cover longer distances than ever before. With this, the intensity of their duty cycles is becoming more demanding.

As off-the-road mobility specialists, we understand these nuances. We believe to ensure the lowest operating cost solution you need to have the right tire for your application. So, we engineered a complete portfolio of tires for all types of material handling activities on any surface, be it in a port, warehouse, airport – you name it, we handle it.
INDUSTRIAL PNEUMATIC

RADIAL TIRES

Radial tires combine metal or fabric plies, extending from one bead to the other. The radial construction decouples the side walls from the tread. Therefore the tire has a large, low wearing and stable footprint, offering the best traction on all types of surfaces. Also, it has an increased resistance to heating and allows a higher mileage. All of this results in a low cost per hour for the most demanding applications.
Reduced downtime
- Its massive tread, wear resistance and low abrasion rubber provide exceptional service life

Increased strength
- Highly resistant to impact and puncture thanks to its reinforced-crown architecture

THE MOST VERSATILE OPTION FOR REACH STACKERS, ITS INCREASED ROBUSTNESS ENABLES YOU TO MAXIMISE YOUR PRODUCTIVITY AND SERVICE LIFE.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the tires' performance ratings, click here.

AVAILABLE SIZES
18.00 R 33 TUBELESS
PRODUCTIVITY

- Extra long life for less stops and less servicing

ROBUSTNESS

- Improved robustness\(^{1}\) thanks to increased thickness of the sidewall

THE MOST VERSATILE OPTION FOR REACH STACKERS. ITS INCREASED ROBUSTNESS ENABLES YOU TO MAXIMISE YOUR PRODUCTIVITY AND SERVICE LIFE.

PERFORMANCE INDICATORS

May differ depending on the vehicle your tires are mounted on.

To see the tires’ performance ratings, click here.

As per the 2020 Michelin Database.

\(^{1}\) Compared with the 18.00 R 25 MICHELIN \#X27763 tire.

AVAILABLE SIZES

<table>
<thead>
<tr>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.00 R 25 TIRELESS</td>
</tr>
</tbody>
</table>
MICHELIN X STACKER 2
MAXIMIZE THE UPTIME OF YOUR REACH STACKER

More robust
- New and improved crown structure providing a higher endurance
- Superior overall robustness of the tire

Excellent bead
durability
- With the introduction of B2 Technology

Last longer
- 7% longer wear life
- A dual compound to run longer distance per hour and for longer wear life

Run more distance
in an hour
- Adapted tread depth to run + 40% distance per hour

A SMOOTH INDUS RADIAL TIRE THAT PROVIDES EXTRA LONG LIFE FOR STACKING OPERATIONS. EXCEPTIONAL ROBUSTNESS AND RESISTANCE TO AGRESSIONS.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the tires’ performance ratings, click here.

AVAILABLE SIZE
18.00 R 25 TUBELESS

As per the 2021 Michelin Stackers.
1) Compared to MICHELIN X STACKER 18/20.5 R 25 tire.
2) Compared to MICHELIN X STACKER 18/20.5 R 25, tire average performance by pilot sites. Projected improvement in wear life based on field performance in customer pilot sites.
MICHELIN X STACKER 2 LC
STACKS UP IN PERFORMANCE

Improved heat build-up resistance
- Less rubber for a cooler tire

Increased load capacity
- More internal air volume for improved resistance to load

More robust
- Designed to address very severe usages (speed, load combination)

SMOOTH IND4 RADIAL TIRE SPECIFICALLY DESIGNED FOR REACH STACKERS OPERATING IN THE MOST SEVERE USAGE CONDITIONS.
REQUEST TECHNICAL ADVICE TO A MICHELIN REPRESENTATIVE.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the tires’ performance ratings, click here.

AVAILABLE SIZE
18.00 R 25 TIRELESS

As per the 2021 Michelin Catalogue
1) Compared to 18.00R25 MICHELIN XSTACKER 2 tire. Less rubber for a cooler tire and more internal air volume for improved resistance to load.
Michelin X Straddle 2

Moving containers further and faster

Run longer distances
- Drive up to 15 km/h in 1 hour and 35 km/h max speed due to a cooler running tire.

Higher load capacity at high speeds
- Carry up to 17.85 tons up to 22 km/h (13 mph) due to +20% tire inner air volume.

Improved bead design
- Can be fitted on both 11.25 and 13.00 rims due to a new bead area design.

Run further
Up to +15% tire life due to a new tread design with 8% more rubber and an improved crown and bead durability.

The safest and most productive option for your straddle carriers. The 480/95 R 25 size has been specially designed for twin lift operations.

Performance indicators
May differ depending on the vehicle your tires are mounted on. To see the tire’s performance ratings, click here.

Available sizes
- 450/95 R 25 TUBELESS
- 480/95 R 25 TUBELESS

As per the 2020 Michelin database.

--

Comparisons: MICHELIN X STRADDALE 2 1600/35 R 25 and MICHELIN X STRADDALE 2 1500/20 R 25, MICHELIN X STRADDALE 480/95 R 25, MICHELIN X STRADDALE 450/95 R 25.

Comparisons: MICHELIN X STRADDALE 480/95 R 25, MICHELIN X STRADDALE 450/95 R 25.

Comparisons: MICHELIN X STRADDALE 2 550/80 R 25, MICHELIN X STRADDALE 2 450/95 R 25.

Comparisons: MICHELIN X STRADDALE 2 480/95 R 25, MICHELIN X STRADDALE 2 450/95 R 25.

Comparisons: MICHELIN X STRADDALE 2 480/95 R 25, MICHELIN X STRADDALE 1600/35 R 25.

Comparisons: MICHELIN X STRADDALE 2 480/95 R 25, MICHELIN X STRADDALE 2 450/95 R 25.

Comparisons: MICHELIN X STRADDALE 2 480/95 R 25, MICHELIN X STRADDALE 2 450/95 R 25.

Comparisons: MICHELIN X STRADDALE 2 480/95 R 25, MICHELIN X STRADDALE 2 450/95 R 25.

Improved performance in twin lift: Projecting improved in air lift based off calculated performance in customer parts of the MICHELIN X STRADDALE 2 450/95 R 25 are compared to the MICHELIN X STRADDALE 2 450/95 R 25. The MICHELIN X STRADDALE 2 450/95 R 25 is an equivalent size of the 1400/20 R 25, that included individual design improvements into the MICHELIN X STRADDALE 2 480/95 R 25.

Measuring the 1500/20 R 25, upgraded to 11/20/20.
MICHELIN
X TERMINAL-T

KEEP YOUR MACHINE ON THE MOVE AND KEEP YOUR TIRE BUDGET UNDER CONTROL

Safety and reliability
- High level of transversal and longitudinal grip
- Excellent performance on wet ground
- Tubeless tire
- Anti-static properties

Versatility
- Same size and same tread for all the axles (front and rear)
- Reduction of stocks

Productivity
- Low downtime due to high puncture resistance

THE LEADING SOLUTION IN THE MARKET FOR TERMINAL TRACTORS AND TRAILERS, COMBINING EXCEPTIONAL PUNCTURE RESISTANCE WITH AN INCREDIBLE LONG LIFE.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the tires' performance ratings, click here.

AVAILABLE SIZES
280/75 R 22.5 TUBELESS
310/80 R 22.5 TUBELESS
Reinforced crown and sidewalls
- Limits downtime thanks to its high reinforced protection

Radial technology
- The sidewall and tread function separately.
- The crown is stabilized by several plies
- The steel casing has one radial ply

Long tire life
- Massive tread pattern and two protection bands on sidewalls designed for long tire life and optimized cost per hour
- Increase tire life: From +50% to +160% in hours vs. premium competitor

Durable and long lasting tire that supports your operations through low downtime and low service costs in the most demanding applications.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

<table>
<thead>
<tr>
<th>POPULAR SIZES</th>
<th>315/70 R 15 TUBELESS</th>
<th>11.00 R 20 TUBELESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>355/65 R 15 TUBELESS</td>
<td>12.00 R 20 TUBELESS</td>
<td></td>
</tr>
<tr>
<td>5.00 R 20 TUBELESS</td>
<td>14.00 R 24 TUBELESS</td>
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<tr>
<td>10.00 R 20 TUBELESS</td>
<td>16.00 R 25 TUBELESS</td>
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</table>
Michelin XZR
A REAL INNOVATION IN TUBELESS TIRE SYSTEMS

Exceptional grip
- With multi-block tread pattern
- High void-to-lug ratio

Longevity and robustness
- Rubber compounds and specific tread pattern allow to maximize lifetime and reduce maintenance requirements

High speed
- Tread pattern and rubber compounds engineered for cooler running
- Capable of reaching up to 50 km/h (31 mph) under intensive usage conditions

An extremely robust casing
- With steel-belted radial casing instead of usual textile solutions

The solution for baggage tractors, urban machines and other specific high intensity forklift uses with an exceptional, total cost of ownership.

Performance Indicators
May differ depending on the vehicle your tires are mounted on.
To see the tires’ performance ratings, click here.

Available Sizes
6.00 R 9 TUBELESS
6.50 R 10 TUBELESS
7.00 R 12 TUBELESS
INDUSTRIAL PNEUMATIC

BIAS TIRES

The construction of bias tires (also referred to as diagonal ply tires) includes multiple layers of fabric plies, set one on the other, running diagonally from bead to bead. Their benefits include high stability, low acquisition costs and a robust solution for rough industrial usage.
SOLIDEAL
AIR 550
SUPERIOR DURABILITY,
PERFORMANCE AND COMFORT

Deep tread lug with abrasion-resistant rubber compound
- Improves tire life and provides better traction

Thick sidewall
- Protects against side impacts causing flat tires

Unique tread design with flat profile
- Increasing stability while reducing vibrations for better comfort

Heavy-duty carcass
- Maximizes tread puncture resistance to prevent flat tires

COMBINING A SMOOTH, COMFORTABLE RIDE WITH GREAT OVERALL TIRE LIFE, THANKS TO ITS UNIQUE TREAD DESIGN, SUPERIOR CARCASS STRENGTH AND SIDEWALL PROTECTION WHICH MAKES IT THE LOWEST OPERATING COST SOLUTION.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

<table>
<thead>
<tr>
<th>POPULAR SIZES</th>
<th>28x9-15/14PR</th>
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<tbody>
<tr>
<td>7.00-12/14PR</td>
<td>5.00-8/10PR</td>
</tr>
<tr>
<td>6.00-9/10PR</td>
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</tbody>
</table>
SOLIDEAL
ED PLUS NM

DURABLE, PERFORMING AND
COMFORTABLE NON-MARKING TIRE

Deep tread lug
- Improves tire life and provides better traction

Thick sidewall
- Protects against side impacts causing flat tires
- Two times more rubber than standard tires

Heavy-duty carcass
- Maximizes tread puncture resistance to prevent flat tires

Unique tread design with flat profile
- Increases stability while reducing vibrations for better comfort

Non-marking natural rubber compound
- Prevents visible marks on the floor, ensuring a clean working environment
- Reduces chunking and cutting

PROVIDES SUPERIOR CARCASS STRENGTH AND SIDEWALL PROTECTION. IT’S ALSO THE IDEAL NON-MARKING SOLUTION FOR INDOOR OPERATIONS AND FOR ELECTRICAL AND RENTAL FLEETS.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

POPULAR SIZES
<table>
<thead>
<tr>
<th>Size</th>
<th>Model</th>
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</thead>
<tbody>
<tr>
<td>6.50-10/14PR</td>
<td>28x9-15/14PR</td>
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<tr>
<td>7.00-12/14PR</td>
<td>5.00-8/10PR</td>
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<td>6.00-9/10PR</td>
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</table>
SOLIDEAL
AIR 570
ENERGY EFFICIENT SOLUTION FOR ELECTRIC TRUCKS

Flat tread profile
- Enhances stability and provides even tire wear

RIB pattern and low-abrasion compound
- Provides low-rolling resistance for best energy efficiency

Reinforced carcass and sidewall
- Provides additional puncture resistance to prevent flat tires

Smooth continuous center lug
- Reduces vibration and provides enhanced steerability

OUR BEST ALL-AROUND PNEUMATIC TIRE FOR ELECTRIC FORKLIFTS. ENGINEERED TO DELIVER LOW ROLLING RESISTANCE AND REDUCED VIBRATIONS FOR OPTIMAL PERFORMANCE.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

POPULAR SIZES
- 15x4 ½-8/12PR
- 23x9-10/16PR
- 5.00-8/8PR
- 18x7-8/14PR
SOLIDEAL
HAULER LT
READY FOR YOUR CHALLENGES

Wide square tread profile
- Provides superior stability

Wide sidewall with rim guard
- Provides great side impact resistance
- Three times thicker than our standard tires

Massive tread blocks and deep lugs
- Extend service life in severe applications

Reinforced undertread
- Increases puncture resistance

WITH A HEAVY-DUTY CARCASS AND HIGH ABRASION-RESISTANT TREAD, IT DELIVERS BOTH INCREDIBLE PUNCTURE RESISTANCE AND LONG LIFE. WITH A REINFORCED SIDEWALL FOR SIDE IMPACT PROTECTION, IT’S UNSTOPPABLE.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

POPULAR SIZES

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
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<tbody>
<tr>
<td>7.00-12</td>
<td>18x7-8</td>
</tr>
<tr>
<td>6.00-9</td>
<td>29x9-15</td>
</tr>
<tr>
<td>6.50-10</td>
<td></td>
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</tbody>
</table>
SOLIDEAL
HAULER SM
READY FOR YOUR CHALLENGES

Wide smooth profile
- Provides low vibrations
  (comfort) and prevents lug
  tearing on the steer axles
  on abrasive surfaces

Wide sidewall
with rim guard
- Provides best side impact
  resistance
- Three times thicker
  than our standard tires

ITS SMOOTH TREAD PATTERN INCREASES TIRE LIFE PREVENTS LUG TEARING
AND INCREASES STEERABILITY.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires
are mounted on.
To see the tires’ performance ratings, click here.

AVAILABLE SIZES
- 10.00-20
- 12.00-20
SOLIDEAL
HAULER HA-TR
READY FOR YOUR CHALLENGES

Wide smooth profile
- Provides low vibrations (comfort) and prevents lug tearing on the steer axles on abrasive surfaces

Massive tread blocks and deep lugs
- Extend service life in severe applications

Wide sidewall with rim guard
- Provides best side impact resistance
- Three times thicker than our standard tires

ITS UNIQUE HALF-LUG, HALF-SMOOTH TREAD PATTERN PROVIDES EXCELLENT DURABILITY FOR ROAD-TO-RAIL APPLICATIONS, AS WELL AS PREVENTING TAPERED WEAR IN DUAL DRIVE SETUPS.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the tires’ performance ratings, click here.

AVAILABLE SIZES
| 10.00-20 |
| 12.00-20 |
**SOLIDEAL PORTMASTER HD**

**No Stronger Bias Tire**

- Strong carcass and sidewall protection: Prevents carcass damages due to cutting and sidewall impact.
- Massively deep tread: Provides longer service life on any surface.

---

**Our Strongest and Most Durable Bias Tire, Ideal on Hard Surfaces and in Highly Abrasive Environments. Its Extremely Deep Tread Increases Service Life While Providing the Strongest Carcass and the Most Sidewall Protection Possible.**

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**Performance Indicators**

May differ depending on the vehicle your tires are mounted on.

To see the tires’ performance ratings, [click here.](#)

**Available Sizes**

<table>
<thead>
<tr>
<th>12.00-20/20PR</th>
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</thead>
<tbody>
<tr>
<td>12.00-20/28PR</td>
</tr>
</tbody>
</table>

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SOLIDEAL
AIR 561
PERFECT SOLUTION FOR GROUND SUPPORT EQUIPMENT

Deep tread lugs with high performance compound
- Increases tire life

Distinctive rib pattern design
- Reduces rolling resistance, vibrations and prevents snaking

Energy-efficient rubber compound
- Help reduce wear on heated airport apron surfaces

Unique lugs with sipes design
- Increases traction on low grip conditions

ESPECIALLY DESIGNED FOR GROUND SUPPORT EQUIPMENT, THIS TIRE DELIVERS GREAT LIFE ON HIGH TEMPERATURE APRON SURFACES WHILE ENSURING LOW ROLLING RESISTANCE AND INCREASED TRACTION.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the tires' performance ratings, click here.

AVAILABLE SIZES
- 6.00-9/10PR
- 7.00-12/14PR
- 8.00-16½/10PR
SOLID

RESILIENT TIRES

The construction of resilient tires includes several layers of different types of rubbers. Most resilient tires consist of a tread layer, a middle layer and a heel layer with steel bead reinforcements. Their key benefits include puncture and maintenance free operations, high mileage and low cost per hour.
The ultimate tire for high intensity use, the Solideal RES 660 runs at overall lower operating temperatures to withstand non-stop usage and high load environments. A high performing abrasion resistant tread rubber compound makes this tire our longest lasting tire for high intensity applications.

Performance Indicators
May differ depending on the vehicle your tires are mounted on. To see the full size list and performance ratings, click here.

<table>
<thead>
<tr>
<th>Popular Sizes</th>
<th>18x7-8</th>
<th>7.00-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.00-9</td>
<td>28x8-15</td>
<td></td>
</tr>
<tr>
<td>6.50-16</td>
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</tbody>
</table>
RES XTREME NMAS
ENGINEERED TO PREVENT STATIC SHOCKS IN HIGH INTENSITY APPLICATIONS

Wide tread profile
- Increases lateral load stability
- Safer in high-lift and cornering situations

Continuous center lug
- Reduces vibrations which lowers heat build-up and increases life
- Increases operator comfort and slows wear on driveline components

Wear indicator
- Ensures maximum utilization

Patented anti-static technology
- Prevents static electricity build-up to eliminate the risk of safety issues and truck damage

ENGINEERED TO PREVENT STATIC SHOCKS. IT’S DESIGN INCREASES STABILITY, REDUCES VIBRATION AND IMPROVES OPERATOR COMFORT.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

POPULAR SIZES
| 18x7-8 |
| 200/50-10 |
| 140/55-9 |
| 23x9-10 |
SOLIDEAL RES XTREME NM
OPTIMAL NON-MARKING RESILIENT SOLUTION FOR HIGH INTENSITY APPLICATIONS

Wide tread profile
- Increases lateral load stability
- Safer in high-lift and cornering situations

Continuous center lug
- Reduces vibrations which lowers heat build-up and increases life
- Increases operator comfort and slow wear on driveline components

Wear indicator
- Ensures maximum utilization

Non-marking natural rubber compound
- Prevents visible marks on the floor, ensuring a clean working environment
- Reduces churning and cutting

THE PREFERRED SOLUTION FOR HIGH INTENSITY APPLICATIONS REQUIRING NON-MARKING RESILIENT TIRES. ITS DESIGN INCREASES STABILITY, REDUCES VIBRATION AND IMPROVES OPERATOR COMFORT.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

POPULAR SIZES

<table>
<thead>
<tr>
<th>Size</th>
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<tbody>
<tr>
<td>18x7-8</td>
</tr>
<tr>
<td>20x9-10</td>
</tr>
<tr>
<td>14x5-5</td>
</tr>
<tr>
<td>23x9-10</td>
</tr>
</tbody>
</table>
SOLIDEAL
RES 550 MAGNUM SERIES

OUR LONGEST LASTING TIRE FOR MEDIUM INTENSITY APPLICATIONS

Wide profile and flat footprint
- Increases stability and grip

Established tread pattern design
- Proven reliability for over 25 years

Exceptional tread rubber compound properties
- Makes this tire our longest lasting tire for medium intensity applications

Large tread blocks and deep lugs
- Maximizes life and traction

THE STANDARD IN RELIABILITY AND OUR LONGEST LASTING TIRE FOR MEDIUM INTENSITY APPLICATIONS. ITS WIDE PROFILE AND FLAT FOOTPRINT DESIGNED TO MAXIMIZE LIFE. ITS LARGE TREAD BLOCKS AND DEEP LUGS INCREASE TRACTION, WHILE DELIVERING MAXIMUM STABILITY.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

<table>
<thead>
<tr>
<th>POPULAR SIZES</th>
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<tr>
<td>18x7-8</td>
<td>7.00-12</td>
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<td>6.00-9</td>
<td>28x9-15</td>
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<tr>
<td>6.50-10</td>
<td></td>
</tr>
</tbody>
</table>
SOLIDEAL
MAGNUM NM
MAGNUM SERIES

OPTIMAL NON-MARKING RESILIENT SOLUTION FOR MEDIUM INTENSITY APPLICATIONS

Wide profile and flat footprint
- Increases stability and grip

Established tread pattern design
- Proven reliability for over 25 years

Non-marking natural rubber compound
- Prevents visible marks on the floor, ensuring a clean working environment
- Reduces chunking and cutting

Large tread blocks and deep lugs
- Maximizes life and traction

ITS CLEAN RUNNING AND VERSATILITY MAKES THIS TIRE THE IDEAL SOLUTION FOR INDOOR OPERATIONS AND FOR ELECTRICAL AND RENTAL FLEETS.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

<table>
<thead>
<tr>
<th>POPULAR SIZES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
</tr>
<tr>
<td>18x7-8</td>
</tr>
<tr>
<td>6.00-9</td>
</tr>
<tr>
<td>6.50-16</td>
</tr>
</tbody>
</table>
SOLIDEAL
RES 330
OUR LONGEST LASTING TIRE FOR LOW INTENSITY APPLICATIONS

Well-balanced rubber compound
- Operates in low intensity applications and offers the lowest operating cost

Aggressive deep tread design
- Provides great traction and stability

Exceptional tread rubber compound properties
- Makes this tire our longest lasting tire for low intensity applications

Steel bead reinforced heel
- Prevents rim slip

Wear indicator
- Ensures maximum tire utilization

BEST-IN-CLASS TIRE FOR LOW-INTENSITY APPLICATIONS. A HIGH PERFORMING TREAD RUBBER COMPOUND MAKES THIS TIRE UNIQUE AND LONG LASTING; A WIDE, AGGRESSIVE TREAD WITH NATURAL RUBBER COMPOUNDS EXTENDS ITS LIFE WHILE RESISTING CUTTING AND CHUNKING.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

POPULAR SIZES
18x7-8
6.00-9
6.50-10
SUCCESSFUL RIB TACKLES SPECIFIC AIRPORT GROUND SUPPORT EQUIPMENT CHALLENGES LIKE SNAPPING AND CUPPING, AND OFFERS LOW VIBRATION AND OPTIMAL STEERING ON FORKLIFT TRUCKS. IT ALSO PROVIDES VERY LOW ROLLING RESISTANCE FOR BEST ENERGY EFFICIENCY AND ENHANCED TIRE LIFE.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

POPULAR SIZES
4.00-8
140/55-9
200/50-18
**SOLIDEAL SOLIDAIR LT**

**MOST COMFORTABLE RESILIENT TIRE**

**Continuous center lug**
- Reduces vibration which lowers heat build-up and increases life
- Increases operator comfort and slows wear on driveline components

**Unique Solidair aperture design**
- Improves ride quality
- Ensures great stability
- Reduces vibrations and prevents shock transfer

A SOLID TIRE WITH A UNIQUE APERTURE DESIGN PREVENTS SHOCK TRANSFER TO FRAGILE OR IMPACT-SENSITIVE LOADS. PROVIDES OPERATORS WITH A MORE COMFORTABLE RIDE ONUNEVEN SURFACES.

**PERFORMANCE INDICATORS**
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, [click here](#).

**POPULAR SIZES**
- 6.00-9
- 6.50-10
- 7.00-12
SOLIDAIR ZZRIB
PUNCTURE-FREE TIRE DESIGNED SPECIFICALLY FOR BAGGAGE TRACTORS

ZZRib pattern for GSE application
- No vibrations
- Great cornering capabilities

Puncture proof
- No downtime due to tire damage/punctures
- Low maintenance (no pressure control)

Unique Solidair aperture design
- Improves ride quality
- Ensures great stability
- Reduces vibrations and prevents shock transfer

THE SOLIDAIR ZZRIB IS AN INNOVATIVE SOLID RESILIENT TIRE FOR BAGGAGE TRACTORS IN AIRPORTS. IT'S A COMPLETE PUNCTURE PROOF SOLUTION TO ENSURE NO DOWNTIME AND LOW MAINTENANCE. APERTURE HOLES IN THE TIRE SIDEWALL ARE OFFERING IMPROVED COMFORT AND SHOCK ABSORPTION.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, [click here].

POPULAR SIZES
6.00-9
6.50-10
7.00-12
7.00-15
VERSATILE SOLID RESILIENT TIRE FOR FORKLIFT APPLICATIONS. THE WIDE AND DEEP LUGS OFFER GREAT TRACTION AND BRAKING PERFORMANCE IN THE HARSHEST DRIVING ENVIRONMENTS. A SOLID TIRE THAT OFFERS GREAT VALUE FOR MONEY.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the tires’ performance ratings, click here.

<table>
<thead>
<tr>
<th>AVAILABLE SIZES</th>
<th>INCHES</th>
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<tbody>
<tr>
<td>7.50-16</td>
<td>12.00-20</td>
</tr>
<tr>
<td>8.25-20</td>
<td>12.00-24</td>
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<tr>
<td>9.00-20</td>
<td>14.00-24</td>
</tr>
<tr>
<td>10.00-20</td>
<td></td>
</tr>
</tbody>
</table>
THE HT BOMBER IS A TOUGH SOLID RESILIENT TIRE FOR LOW INTENSITY TRAILER APPLICATIONS. IT CAN HANDLE THE HARSHEST WORK CONDITIONS IN PORT TERMINALS, A TIRE THAT OFFERS GREAT VALUE FOR MONEY.

**PERFORMANCE INDICATORS**
May differ depending on the vehicle your tires are mounted on.
To see the tires’ performance ratings, [click here](#).

**AVAILABLE SIZE**
10.00-20/7.50
**SOLIDEAL SM**

**PUNCTURE-FREE TIRE DESIGNED SPECIFICALLY FOR TRAILER AND FORKLIFT APPLICATIONS**

- **Smooth slick tire tread**
  - Great cornering capabilities
  - No vibration for increased driver comfort and low wear on the machine components

- **Excellent tread rubber compound**
  - Enhances tire performance and life

- **Low rolling resistance**
  - Increases battery life and reduces fuel consumption

---

**ALL AROUND SOLID RESILIENT TIRE FOR BOTH TRAILER AND FORKLIFT APPLICATIONS**

With an outstanding tire lifetime, the smooth tread offers great cornering capabilities and a comfortable ride with no vibrations. The low rolling resistance reduces the energy use of the machine.

---

**PERFORMANCE INDICATORS**

May differ depending on the vehicle your tires are mounted on.

To see the full size list and performance ratings, click here.

**POPULAR SIZES**

<table>
<thead>
<tr>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.00-20</td>
</tr>
<tr>
<td>7.00-12</td>
</tr>
<tr>
<td>6.00-9</td>
</tr>
</tbody>
</table>
SOLID RESILIENT TIRE WITH EXCEPTIONAL PERFORMANCE IN TERMS OF RESISTANCE TO HEAT BUILD-UP, WHICH IS KEY IN VERY HIGH INTENSITY TRAILER APPLICATIONS. THE SMOOTH TREAD IS PROVEN TO BE THE MOST RELIABLE SOLUTION FOR TRAILERS.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on. To see the tires' performance ratings, click here.

AVAILABLE SIZE
10.00-20/7.5
QUICK HEEL TECHNOLOGY

A SIMPLER SOLUTION FOR SOLID RESILIENT TIRES

There are two heel technologies available for solid resilient tires:

**STANDARD HEEL**

The standard heel needs multiple locking components on the rim to keep the tire in place: the advance band, the side ring and the lock ring.

**QUICK HEEL**

The quick heel technology is designed to perfectly match the rim contour, ensuring a full contact without the need for additional locking components.

**SIMPLER. SAFER. BETTER.**

Installation of multiple components requires additional steps during the tire demounting and mounting process, which means more time out of service for forklifts, in addition to potential safety issues when the locking components are not properly installed or damaged.

Quick heels have been designed to eliminate the need for the additional locking components. They offer a safer and simpler solution to maximize uptime of your fleets and eliminate safety risks.

**PROVEN SOLUTION FOR OVER 30 YEARS, APPROVED BY OEMS**

Rely on a technology that has been widely used across Europe for over 30 years, has become a worldwide standard and offers a proven solution approved by major OEMs and other industry leaders.

For more information, visit [camso.co](http://camso.co)
SOLID PRESS-ON TIRES

Press-on tires, also known as cushion tires, are solid tires made of a rubber tread layer bonded to a cylindrical steel band. They are mounted onto a steel hub using a press. Their key benefits include a high load carrying capacity, great stability as well as puncture and maintenance free operations.

PERFORMANCE VS COMPETITION

*As per our study 2022-0505
SOLIDEAL
PON 775
DESIGNED FOR HIGH INTENSITY APPLICATIONS

Widest possible flat footprint
- Reduces ground pressure to minimize heat build-up

Thermally efficient construction
- Provides a cooler running tire and the best in class energy efficiency

Abrasion-resistant tread compound
- Increases tire life

Unique sidewall design
- Reduces heat build-up caused by stresses in the tread shoulders

Wear indicator and safety line
- Indicates when you should replace your tire

ENGINEERED TO PROVIDE THE BEST PERFORMANCE OF HEAT RESISTANCE, ENERGY EFFICIENCY AND LONG LASTING LIFE IN HIGH INTENSITY APPLICATIONS.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted in.
To see the full size list and performance ratings, click here.

<table>
<thead>
<tr>
<th>POPULAR SIZES</th>
<th>18x7x12 1/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>21x7x15</td>
<td></td>
</tr>
<tr>
<td>21x8x15</td>
<td>22x12x16</td>
</tr>
<tr>
<td>16x6x10 1/2</td>
<td></td>
</tr>
</tbody>
</table>
SOLIDEAL
PON 775 NMAS
ENGINEERED TO PREVENT STATIC SHOCKS IN HIGH INTENSITY APPLICATIONS

- Patented anti-static technology
  - Prevents static electricity build-up to eliminate the risk of safety issues and truck damage

- Thermally efficient construction
  - Provides a cooler running tire and the best in class energy efficiency

- Abrasion-resistant tread compound
  - Increases tire life

- Widest possible flat footprint
  - Reduces ground pressure to minimize heat build-up

- Uniquely engineered sidewall
  - Reduces heat build-up caused by stresses in the tread shoulders

ENGINERED TO PREVENT STATIC SHOCKS AND PROVIDE THE BEST PERFORMANCE OF HEAT RESISTANCE, ENERGY EFFICIENCY AND LONG-LASTING LIFE IN HIGH INTENSITY APPLICATIONS:

PERFORMANCE INDICATORS
May differ depending on the vehicle type and size used.
To see the full size list and performance ratings, click here.

<table>
<thead>
<tr>
<th>POPULAR SIZES</th>
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<tbody>
<tr>
<td>21x7x15</td>
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<tr>
<td>21x8x15</td>
</tr>
<tr>
<td>16x6x10 1/2</td>
</tr>
</tbody>
</table>
SOLIDEAL
PON 555
DURABILITY YOU CAN RELY ON

Optimal crowned profile
- Excellent cushioning for improved comfort

High-performance natural rubber compound
- Reduces chinking and cutting
- Suitable for both IC and electric trucks

MADE WITH HIGH-PERFORMANCE, NATURAL RUBBER COMPOUNDS. RESISTS CHUNKING AND CUTTING IN THE MOST DEMANDING APPLICATIONS, WHILE DELIVERING MAXIMUM LIFE AND STABILITY FOR MEDIUM INTENSITY APPLICATIONS.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

POPULAR SIZES
<table>
<thead>
<tr>
<th>Size</th>
</tr>
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<tbody>
<tr>
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</tr>
<tr>
<td>16x6x10 1/2</td>
</tr>
<tr>
<td>16x5x10 1/2</td>
</tr>
</tbody>
</table>
SOLIDIAL
PON 555 NM
NON-MARKING WITH MAXIMUM LIFE
FOR MEDIUM INTENSITY APPLICATIONS

Low rolling resistance compound
- Increases energy efficiency and thermal performance

Non-marking natural rubber compound
- Prevents visible marks on the floor, ensuring a clean working environment
- Reduces chunking and cutting

Unique two-stage construction
- Inner thermal-layer reduces heat build-up for enhanced tire life

ENHANCED NON-MARKING NATURAL RUBBER COMPOUND ENSURES CLEAN WORKING ENVIRONMENT, LOW ROLLING RESISTANCE AND IMPROVED THERMAL PERFORMANCE.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

POPULAR SIZES
21x7x15
16x6x10 1/2
16x5x10 1/2
SOLIDEAL
PON 550
DURABILITY YOU CAN RELY ON

Wide profile and flat footprint
- Increases stability and grip

High-performance natural rubber compound
- Reduces chunking and cutting
- Suitable for both IC and electric trucks

Huge lug depth
- Increases life and traction

RESISTS CHUNKING AND CUTTING IN THE MOST DEMANDING APPLICATIONS, WHILE DELIVERING MAXIMUM LIFE AND STABILITY FOR MEDIUM INTENSITY APPLICATIONS.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, [click here.](#)

POPULAR SIZES
- 21x7x15
- 16x6x10 1/2
- 16x5x10 1/2
SOLIDEAL
PON 550 NM
NON-MARKING WITH MAXIMUM
LIFE FOR MEDIUM INTENSITY
APPLICATIONS

Wide profile
and flat footprint
- Increases stability and grip

Non-marking natural
rubber compound
- Prevents visible marks on
  the floor, ensuring a clean
  working environment
- Reduces churning
  and cutting

Low rolling resistance
compound
- Increases energy efficiency
  and thermal performance

Unique two-stage
construction
- Inner thermal-layer reduces
  heat build-up for enhanced
  tire life

Its wide profile, flat footprint and proven tread pattern design provide maximum stability
and traction. Especially designed to provide maximum lifespan for medium intensity
applications requiring non-marking press-on tires.

Performance Indicators
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

Popular Sizes
<table>
<thead>
<tr>
<th>Size</th>
</tr>
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<tbody>
<tr>
<td>21x7x15</td>
</tr>
<tr>
<td>16x6x10 1/2</td>
</tr>
<tr>
<td>16x5x10 1/2</td>
</tr>
</tbody>
</table>
Optimal crowned profile
- Excellent cushioning for improved steering

High-performance natural rubber compound
- Reduces chinking and cutting
- Designed to handle very high loads

MADE WITH HIGH-PERFORMANCE NATURAL RUBBER COMPOUNDS. RESISTS CHINKING AND CUTTING IN THE MOST DEMANDING APPLICATIONS, WHILE DELIVERING MAXIMUM LIFE, SATIBILITY AND HIGH LOAD CAPACITY.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

POPULAR SIZES
- 40x16x30
- 28x12x22
- 28x14x22
SOLIDIAL
SM SRP/SRP+
PERFORMANCE WHEN YOU NEED IT

Natural rubber compound
- Provides good overall wear and performance

Low rolling resistance solution
- For high intensity trailer applications

PRESS-ON TIRE DESIGNED TO DELIVER MAXIMUM LIFE AND VERY HIGH LOAD CARRYING CAPACITY. WITH ITS NATURAL RUBBER COMPOUNDS IT DELIVERS MAXIMUM LIFE WHERE PREMIUM TECHNOLOGY IS NOT REQUIRED.

PERFORMANCE INDICATORS
May differ depending on the vehicle your tires are mounted on.
To see the full size list and performance ratings, click here.

<table>
<thead>
<tr>
<th>POPULAR SIZES</th>
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<tbody>
<tr>
<td>22x16x16</td>
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<tr>
<td>425/150-305</td>
</tr>
<tr>
<td>405/130-305</td>
</tr>
<tr>
<td>645/250-410</td>
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</tbody>
</table>
Our industrial wheels and wheel assemblies have been engineered for the world’s leading OEMs, while working closely with major industry leaders to ensure that their design and manufacture meet all applicable standards. A combination of high-volume production plants with local specialized production facilities throughout the world allow us to provide high quality wheels and wheel assemblies in any volume.
INDUSTRIAL WHEELS FOR YOUR MATERIAL HANDLING APPLICATIONS

MULTI-PIECE WHEELS  SPLIT WHEELS  PRESS-ON WHEELS

GLOBALLY ESTABLISHED NETWORK OF ENGINEERING AND PRODUCTION FACILITIES WHICH PROVIDE ALSO SHORT-TERM DELIVERIES, FOCUSED ON YOUR SPECIAL DEMANDS, DUE TO WHEEL OPERATIONS IN USA, GERMANY, BELGIUM, AUSTRALIA AND SRI LANKA.

For more information, please visit our Industrial Wheels section on camso.cc
ACCESSORIES
FOR RADIAL TIRES

TUBELESS BEAD SEAL

SIZE MARKINGS
Example of marking: 110 TL 8 (for 4.33R - 8 rim)
110: indicates the width of the TBS in mm
TL: for a tubeless tire
8: indicates the rim diameter in inches
The choice of TBS depends on the width of the rim on which the tire is to be fitted.
The allowed rim width(s) are indicated on each tubeless bead seal.

TBS FITTED ON WHEELS WITH WIDTH LESS THAN 6 INCHES HAVE A CHIMNEY WHERE THE VALVE WILL BE POSITIONED.
TBS FOR WHEELS WITH WIDTH GREATER THAN OR EQUAL TO 6 INCHES HAVE TWO CHIMNEYS:
ONE CENTRAL AND THE OTHER OFFSET TO ALLOW CORRECT POSITIONING RELATIVE TO THE VALVE SLEEVE. THE CHIMNEY WHICH IS NOT USED BY THE VALVE IS SEALED WITH A PLASTIC PLUG (SUPPLIED WITH THE TBS).

PRINCIPLE

Cross section of a TBS

Cross section of fitted TBS

Special collared valve

Special collared valve
Ready to get you rolling

Our Solideal on-site services managed by an extensive network of dedicated Beyond Road technicians using specialized equipment will keep your operations rolling no matter what type of forklift tires you may need.

Supply & Fit
Full Forklift Tire Service
Forklift tire mobile fitting, our core service, with best-in-class performance tires specifically selected to fit your customized fleet at the guaranteed lowest operating cost.
Service level is personalized according to your fleet analysis and business needs.

Professional Fleet Analysis
Maintenance Cycle Optimization
Superior fleet solution for maximum uptime. In-depth fleet analyses that take into account your individual operating conditions.

Pneumatic tires
Flat proofing program
Specialized solution for harsh applications. Professional polyurethane tire-filling with advanced filling technology “pure plus recycling” to ensure maximum tire lifetime in a sustainable way. Precise pressure calculation based on individual requirement.

Fit or Press Only
Specific Forklift Tire Service
If you would like to order your tires yourself and prefer to have someone else look after the installation our order-based professional on-site service is designed to maximize your company’s uptime.
Beside fit or press services we may include a fleet analysis and tire recommendation to identify the lowest operating cost solution.

Tire Regrooving
Life Extension Service
Maximize the life of your tire with constant tire performance by approved tread patterns & puncture repairs.

Delivery
Assembly mounting
Widest range of full assemblies (tire + wheel) available, ready to be delivered for your personal fleet needs.

Contactless service
One less thing to worry about with our contactless service: simply make your order via email or phone call.
Just tell us when you would like our mobile service to come to you, ensure that you have your forklift ready at the agreed time, and we’ll take care of the complete tire service including real time communication.
No further on-site support is required. The digital order processing rounds off our contactless and efficient process.

Specialized technicians with in-depth knowledge of the most efficient replacement methods.

Global partners network
Wherever you may be, you can also rely on our proven network of partners to assist you with your tire maintenance requirements.

solideal.com
MAINTENANCE TIPS
FROM OUR EXPERTS

Our experts love to share tips to help our clients carry out safe and efficient operations, with maximized uptime. Here's a glimpse of some of our most relevant contents, which are available online.

WHEN TO REPLACE
YOUR TIRES

RESILIENT TIRES
Should not be used beyond the 60 line (or safety line), as indicated on the sidewall.

PRESS-ON TIRES
Should be replaced when the overall rubber height reaches 2/3 of the original rubber height. Newer press-on tires have a safety line.

RADIAL & BIAS
INDUSTRIAL PNEUMATIC TIRES
Should be measured using a tread depth gauge in the middle of the tread to measure tread depth. Replace tires when the depth gets close to 0 millimeters.

THE IMPACT
OF TIRE WEAR

The top 7 issues linked to tires are:

- Fatigue and job stress on the operator
- Stability issues with loads
- Leaking of engine and transmission due to loosened hardware
- Sudden pressure loss
- Damage to the facility
- Acceleration of fork heel wear
- Compromised loads

WHY IS IT IMPORTANT
TO CHANGE A TIRE AND THE
IMPACT OF TIRE WEAR

Training Video Series
MAINTENANCE TIPS

Here are our maintenance tips before getting back to work:

- **Check brakes**
  - Make sure all forklift controls are functioning properly

- **Inspect your tires**
  - Look for damage and wear

- **Leakage**
  - Check lines and hoses for leaks

- **Torquing**
  - Ensure wheels are torqued correctly

- **Inflation pressure**
  - Check inflation pressure for pneumatics

HOW TO READ TIRE SIZE

RESILIENT AND INDUSTRIAL PNEUMATIC TIRES

Today, we find three different types of size markings for pneumatics and resilient tires. This is due to the evolution of the nomenclature over time. Radial tires include a R in their tire size.

PRESS-ON TIRES

Did you notice there were two different ways of displaying size marking on tires: imperial (inches) and metric (mm)? The size of a press-on tire is indicated in 3 numbers:

1. **Overall diameter**
2. **Section width**
3. **Internal diameter**

How to read tire size: PON, IND, & RES
TOTAL COST OF OWNERSHIP
OF YOUR TIRES

When it comes to tire costs, it’s important to take more than the upfront cost of purchasing units: remember to take into consideration operational cost, tire performance and the requirements of the application.

Tires with lowest acquisition costs could end up costing more in the end, especially if they are not right for the application and take a toll on your machines. Our broad offering meets the specific requirements of any application, with a portfolio that offers both low acquisition and low operation cost solutions.

For additional support, our teams of dedicated specialists will be able to help you make the calculations.

POTENTIAL REPLACEMENT COSTS

<table>
<thead>
<tr>
<th>PART</th>
<th>COST</th>
<th>LABOR HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive Axle</td>
<td>$49</td>
<td>1</td>
</tr>
<tr>
<td>Bearings</td>
<td>$650</td>
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<tr>
<td>Axle Housing Mount</td>
<td>$600</td>
<td>4</td>
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<tr>
<td>Axle Hub</td>
<td>$610</td>
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<td>SCR Components</td>
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<table>
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<tr>
<th>PART</th>
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<td>Hoses</td>
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<td>Fielder</td>
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<tr>
<td>Connector Tips</td>
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<tr>
<td>Pump Motor</td>
<td>$1,980</td>
<td>2</td>
</tr>
</tbody>
</table>

*Prices are in USD.

STEER AXLE

<table>
<thead>
<tr>
<th>PART</th>
<th>COST</th>
<th>LABOR HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steer Axle</td>
<td>$1,955</td>
<td>5 (2)</td>
</tr>
<tr>
<td>King Pin</td>
<td>$1,775</td>
<td>3-3 each</td>
</tr>
<tr>
<td>Bushings</td>
<td>$1,100</td>
<td>2 (0.5)</td>
</tr>
<tr>
<td>Bushings</td>
<td>$1,210 ( alte)</td>
<td>4 (0)</td>
</tr>
<tr>
<td>Wheel Bearings</td>
<td>$1,160</td>
<td>8</td>
</tr>
<tr>
<td>Tie Rod Ends</td>
<td>$1,115 ( alte)</td>
<td>2</td>
</tr>
<tr>
<td>Tie Rod Cylinder</td>
<td>$1,715</td>
<td>4</td>
</tr>
<tr>
<td>Steer Knuckle</td>
<td>$1,340 ( alte)</td>
<td>2-3 each</td>
</tr>
</tbody>
</table>

BATTERY

<table>
<thead>
<tr>
<th>PART</th>
<th>COST</th>
<th>LABOR HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>48 Volt - 18 Cell</td>
<td>$5,000</td>
<td>15</td>
</tr>
<tr>
<td>1 Cell</td>
<td>$3,200</td>
<td>2</td>
</tr>
<tr>
<td>1 Tray</td>
<td>$3,900</td>
<td>15</td>
</tr>
</tbody>
</table>

STORAGE TIPS
INDOOR VS. OUTDOOR HAVE DIFFERENT RULES

While indoor storage is preferable, tires can also be stored outside if they respect certain conditions. Moisture, high or variations in temperature and light all contribute to a faster aging of rubber. For tires stored outside, we recommend a maximum storage period of 4 months on a clean and well-drained surface.

Maintenance and Use Guide
5 YEAR TIRE WARRANTY

All products are guaranteed to be free from defects due to materials and workmanship.

If a product is deemed defective upon our examination and analysis inside a period of five (5) years from the day of manufacture of the product, we will provide an allowance against the current purchase price. The allowance will be determined, to be applied towards the purchase of a new product, based on the remaining unused portion of the tread or warrantable lifetime on the defective product.

For radial tires, five (5) years from the day of purchase will be taken into consideration by presenting the necessary requirements to prove the date of purchase. If no proof is submitted, we will take into account the five (5) years from the day of manufacture.

The cost of transportation, service, and sales tax already paid will be borne by the owner of the product making the claim. Warranty will not apply if the product has been installed incorrectly, altered, repaired or misused in any matter whatsoever which, in our opinion, has affected the performance of the tire.

We cannot be held responsible for damages or claims caused by the tire whether such damages are direct or indirect, special, consequential or otherwise. Any liability is strictly limited to repair or reduction of an applicable purchase, according to the mentioned provision in our General Claim Policy and Adjustments.

This warranty is for the exclusive benefit of the owner and is transferable to a subsequent owner but is not otherwise assignable.

* This text is an extract of our General Claim Policy and Adjustments, which is the only valid applicable Policy.

For the complete warranty details please visit connectbeyondbreard.michelingroup.com or camso.co