### We are the largest suppliers of Industrial Tyres in Pakistan

Forklifts have been standard equipment in material handling operations for more than a century. These versatile machines can lift heavy loads and carry them over short distances. They're perfect for loading and unloading trucks, stacking materials in warehouses and distribution centres and transporting bulky equipment. In some cases, forklifts can even serve as substitutes for aerial lifts to hoist workers who perform tasks at height. To get the most out of your forklift, look to Bridgestone for high-quality forklift tyres.

We are your headquarters for forklift tyres that can meet the demands of the most challenging material handling environments. We supply high-quality solid forklift tyres for all the leading lift truck manufacturers, including Toyota, Caterpillar, Hyster, Yale, Komatsu, Nissan, Mitsubishi, Sumitomo, Clark, Crown, Raymond, Linde, Kalmar, TCM, Taylor, and Doosan. Also our selection of heavy-duty pneumatic forklift tyres will help you increase your fleet's performance, productivity, and profitability especially with Bridgestone's durable and long-lasting technology.

### When should you replace your Forklift tyres?

Promote safety by checking your tyres daily for cuts or gouges and replace them regularly. When a tyre has gone through 40% of its tread, drivers and the forklift will experience up to 84% of shock directly due to the tyre not being able to effectively absorb it anymore. When your tyres have visible damage or have worn through an unsafe amount of tread, it's time to have them replaced.



If you notice the following, then it's time to replace your forklift tyres-

#### Lateral Cracking

• If there are multiple cracks that begin at the tread and begin to breakdown to the bond at 90 degrees

#### **Pitting or Cupping**

• Tyre has concave indentations in the tyre surface.

#### **Blow-Outs**

• Tyre has a molten looking cavity showing.

#### **Bond Separation or Base/Cap Separation**

• When separation of the tyre rubber begins and gives the appearance of the tyre rolling off itself

#### **Circumferential Cracking**

• If there are cracks running through the tyre sidewall and are not a 90-degree angle to the bond line

### Forklift Tyres – The Ultimate Guide

Forklift tyres aren't all black, round and created equal. They can be expensive, blow out at the worst time, and cause downtime. However, when properly maintained, your <u>forklift tyres</u> can reduce fuel consumption, increase safety in the workplace and improve productivity.

Our comprehensive forklift tyre guide – compiled by our tyre specialists – will help you keep your forklift productive. It all starts with the tyres.

We'll cover everything from understanding basic tyre types to getting the maximum life out of your tyres. If you're looking for cost-reduction recommendations, we have that, too.

Let's get started! Click below to skip ahead:

- Forklift Tyre Types
- Forklift Tyre Comparison Charts
- <u>What are Forklift Tyres Made of?</u>
- How to Read Forklift Tyre Sizes
- <u>How to Choose the Right Forklift Tyres</u>
- How Long Should Forklift Tyres Last?
- <u>Getting the Most Out of Your Forklift Tyres</u>
- <u>Replacing Your Forklift Tyres</u>
- <u>Reducing Costs</u>

### **1. FORKLIFT TYRES TYPES**

Chances are, you've dealt with forklift tyres before. But if you're new to forklifts, or just want to learn more about different types of forklift tyres, you're in the right place.

There are several different types of forklift tyres. Each has their own benefits, each is suited to different work environments and, usually, your forklift is designed with a specific tyre in mind.

Here's a quick video overview:

For more in-depth information on the basic characteristics of forklift tyres, keep reading!

### **CUSHION/PRESS-ON TYRES**

Cushion tyres (also known as press-on tyres) are made of solid rubber moulded to a steel band. The rubber can either be traction or smooth. These tyres are very durable and are best suited for indoor or light outdoor use on smooth surfaces.

Read: The Advantages of Cushion Tyre Forklifts



# **PNEUMATIC TYRES**

Pneumatic tyres are similar to a car tyre. They are made of traction rubber and filled with compressed air. Some companies fill their pneumatic tyres with foam to avoid the upfront cost of solid pneumatic tyres.

Although less costly, we don't recommend filling pneumatic tyres with foam because it increases pressure on the casing, making it less sustainable long term. Pneumatic tyres are used indoors and outdoors when the work area is free of sharp objects.



# SOLID PNEUMATIC FORKLIFT TYRES

Solid pneumatic forklift tyres are made out of solid rubber. These tyres are very durable and can't be punctured or deflated, which makes them ideal for industries with sharp debris like recycling centres or lumberyards.

Read: <u>What Are Pneumatic Tyres and Why are They Used For Outdoor Applications</u>



# **POLYURETHANE TYRES**

Polyurethane tyres, a type of press-on tyre, are lightweight and more resistant to splitting, tearing or chunking out under a load than rubber tyres. They combine good traction with low-rolling resistance. Polyurethane tyres generally experience about twice the lifespan of rubber tyres and should be used indoors only for light applications like warehousing.

These tyres will wear more easily in a heavy usage indoor environment so consider cushion tyres if your application requires high usage.



# NON-MARKING FORKLIFT TYRES

Non-marking tyres are made with hydrated silicas and special additives for eliminating black marks on floors. They are available for pneumatic, solid pneumatic and cushion tyres. These tyres have a short life span and are prone to cause static electricity, which means they require an anti-static strip on the forklift.



### 2. FORKLIFT TYRE COMPARISON CHARTS

Each forklift tyre type has their own benefits and drawbacks. Maybe you're wondering which is better: cushion vs. pneumatic tyres. Well, that'll hinge on how you're using your forklift.

The ideal type for you depends on where you'll be using the forklift, how long you need the types to last, and what you're willing to pay.

See the tyre comparison charts below to get a snapshot of the advantages and disadvantages of each tyre type.

### PNEUMATIC VS. SOLID PNEUMATIC TYRES

TYRE TYPE	INDO OR	LIGHT OUTDOOR	ROUGH-TERRAIN OUTDOOR	DEBRIS IN WORK AREA	LIFESPA N	DURA IT
Pneumatic	1	$\checkmark$	No	No	Medium	Medi
Solid Pneumatic	No	No	$\checkmark$	$\checkmark$	Long	Hig
CUSHION V	VS. POI	LYURETH	IANE TYRES			
TYRE TYPE	INDO OR	LIGHT OUTDOOR	ROUGH-TERRAIN OUTDOOR	DEBRIS IN WORK AREA	LIFESPA N	DURA ITY
Cushion	$\checkmark$	$\checkmark$	No	No	Medium	Hig
Polyurethane	$\checkmark$	No	No	No	Long	Hig

These comparison charts are based on general data. Lifespan, durability and cost will depend on the application, operator and usage.

### **3. WHAT ARE FORKLIFT TYRES MADE OF?**

Your forklift tyres could be made of polyurethane resins or rubber. They might contain carbon black or hydrated silicas. Some forklift tyres even have steel wires embedded in them. It all depends on your tyre type. We broke it down so you can see exactly what your forklift tyres are made of.

### WHAT ARE PRESS-ON TYRES MADE OF?

Cushion press-on tyres are made of solid rubber moulded to a steel band. Unless they're non-marking they will contain carbon black. That's what causes the black

marks on floors. Meanwhile polyurethane press-on tyres are made of – you guessed it – polyurethane resins. Along with synthetics and synthetic blends.

### WHAT ARE SOLID PNEUMATIC TYRES MADE OF?

Solid pneumatic tyres have a bit more to them and are designed for durability.

It starts with steel bead wires on the shoulder of the tyre. Then there's a hard rubber compound base. Following that is the nylon carcass - it's a section of steel belts. In the event the tyres are speared, the nylon carcass offers damage protection.

There's a soft rubber core to aid in operator comfort and reduces operator fatigue. Finally, the tread – the wearable part of the tyre. It's made of an abrasion resistant rubber compound.

# WHAT ARE NON-MARKING TYRES MADE OF?

Non-marking variations are made of a blend of natural rubber with hydrated silicas and special additives. Carbon black is removed to eliminate marks on floors.

### 4. HOW TO READ FORKLIFT TYRES SIZES

First let's start with the basics. Whether you're the forklift operator or the plant manager. Having a basic understanding of forklift tyres is essential to staying productive and efficient. The basic components of your forklift tyres are:

- **Sidewall** shows important tyre information like the tyre brand, size, tyre type, and wear line
- Tread Raised rubber that comes in contact with the ground
- Rim Metal portion of the wheel that holds the tyre in place

### **READING FORKLIFT TYRES SIZES**

You can find your forklift tyre size on the sidewall of the tyre. If you don't see the size there, you can always check the operator's manual or call your local forklift dealer with the model. They should be able to tell you the tyre size for your model forklift.

Depending on the type of forklift tyre you're dealing with, the tyre size will be noted differently.

Press-on tyre sizes are shown as the Outer Diameter x Width x Rim Diameter. An example would be:  $16 \times 6 \times 10.5$ .



Pneumatic or solid pneumatic tyres sizes are noted as the Width x Rim Diameter. An example would look like:  $6.50 \times 10$ .





Generally, your forklift will have a recommended size, but you can purchase a different size, within reason, depending on your preference and application. Check your forklift's manual and with your local dealer for appropriate tyre sizes.

# HOW TO MEASURE FORKLIFT TYRES

If you need to measure your forklift tyre size grab your average tape measure.

- 1. **Measure the outer diameter**, picture the tyre as a compass with north at the top of the tyre. Make sure you're placing the tape measure at the centre of the tyre and run the tape measure east to west.
- 2. **Measure the rim diameter**, stay in the centre of the tyre but only extend the tape measure to each edge of the rim.
- 3. **Measure the width of the tyre**, simply position the tape measure on the part of the tyre that would make contact with the ground and run the tape measure from edge to edge.

Remember, for press-on tyres you need to measure the outer diameter, the width of the tyre, and the rim diameter. For pneumatics or solid pneumatics measure the width and the rim size.

### 5. HOW TO CHOOSE THE RIGHT FORKLIFT TYRES

Take into consideration your application, forklift and work environment when choosing a tyre type.

We're often asked: **"Can you put pneumatic tyres on a cushion tyre forklift?"** Your forklift's wheels and frame are generally designed for a specific tyre type (usually pneumatic or cushion), so it is best to verify with your local dealer and your forklift's manual if you want to go with a different tyre type than what is recommended.

You'll often be able to switch from smooth cushion to traction cushion, or pneumatic to solid pneumatic tyres, but it is rare you can go from a cushion tyre to a pneumatic tyre and vice versa.

When it comes **time to replace the tyres**, ensure both sides of the forklift are the same tyre type. The front and back tyres can differ, but both front tyres and both back tyres must be the same type.

For example, you can't have a smooth cushion tyre on the front right and a traction cushion tyre on the front left. Instead, you'd have two smooth cushion tyres in the front and two traction cushion tyres in the back.

### **TYRE RECOMMENDATIONS FOR YOUR APPLICATION**

Different applications require different forklifts, and therefore different tyre types. We've outlined some common applications below with our recommendations. Make sure to check with your forklift dealer to confirm that our recommendations suit your situation.



#### **INDOOR APPLICATIONS**

Indoor applications that have no debris on the floor surface are best suited for cushion tyres. In this environment, cushion tyres last longer, provide increased manoeuvrability and improve traction.



#### **OUTDOOR & ROUGH TERRAIN APPLICATIONS**

Outdoor and rough-terrain applications generally use pneumatic or solid pneumatic tyres since they offer better traction and increased stability on uneven, loose terrain.



#### WAREHOUSE APPLICATIONS

Applications, such as warehousing, that frequently use order pickers will often use polyurethane tyres. In fact, order pickers almost exclusively use polyurethane tyres since they can improve upon the expected battery life of the machine and provide additional stability and traction.



#### **COLD ENVIRONMENTS**

Cold environments or environments with consistently wet floors typically use polyurethane tyres with micro grips (small, raised dots) or razer sipes (narrow, diagonal grooves) since they provide increased traction and braking ability.

#### **OIL SPILLS**

If your environment experiences standing oil or consistent oil spills, consider using polyurethane tyres, which will resist the oil and experience less breakdown.



#### SENSITIVE APPLICATIONS

Sensitive applications, such as food, paper or printing are often required to use nonmarking tyres since standard tyres contain carbon black. This creates a fine dust particle during use that can cause cross-contamination issues.

### FORKLIFT TYRE STANDARDS FOR YOUR INDUSTRY

Your industry may also be a deciding factor. Check the industries below to see which tyre type is common in that application.



#### AGRICULTURE

Solid Pneumatic



#### AIRPORT

Solid Pneumatic



### BEVERAGE

Polyurethane



BRICK, BLOCK & PIPE

Solid Pneumatic



### **COLD STORAGE**

Polyurethane



### CONCRETE

Solid Pneumatic



DISTRIBUTION

Poly, Cushion



#### FACTORY

Cushion



#### **FOOD PROCESSING**

NM Cushion, Poly



FOOD STORAGE

NM Cushion, Poly



#### **FORGING & CASTING**

Solid Pneumatic



MANUFACTURING

Cushion



#### WAREHOUSING

Cushion



#### **INTERMODAL & PORT**

Solid Pneumatic



#### LUMBER

Solid Pneumatic



MINING

Solid Pneumatic



OIL & GAS

Solid Pneumatic



PAPER

NM Cushion, Poly



RAIL YARD

Solid Pneumatic



#### RETAIL

Cushion



#### **SHIPPING CONTAINERS**

Solid Pneumatic



#### **STEEL & METAL**

#### Solid Pneumatic

These industry standards may change depending on the specific work environment and the application. Check with your forklift tyre dealer to confirm the best option for your situation.

#### 6. HOW LONG SHOULD FORKLIFT TYRES LAST?

How long forklift tyres last depends on 5 factors:

- Usage
- Tyre Type
- Floor Conditions
- Operating Conditions
- Operator Behaviour

Let's go through each one.

### USAGE

The hours you put on your forklift tyres make a huge difference.



If you're using your forklift for 10 hours a week, it's likely the tyres will last longer than if you were using it 40 hours a week.

### **TYRE TYPE**

Some type types are naturally more prone to wear and tear than others.

Pneumatic tyres typically wear out more quickly than solid pneumatics. Plus, they can be punctured causing a flat tyre which will then need to be patched.

To get the most out of your pneumatic tyres, make sure you monitor the air pressure carefully. Low air pressure equals more contact with the floor surface and that means more wear.



In contrast, solid pneumatic tyres have a longer life than pneumatics. They're extremely durable and resilient to wear.



When it comes to press-on tyres, polyurethane tyres typically see up to two times the life of cushion tyres.



# **FLOOR CONDITIONS**

The abrasiveness of the ground surface can limit your tyres' life. The best-case scenario for a long forklift tyre life is sealed concrete or black top.



Surfaces with lots of debris are going to shorten your tyre life too.

Running over debris isn't a good idea. Not only does it damage your tyres, but it's not safe for forklift operation and it can be uncomfortable for the operator too.

Applications like recycling centres and lumber yards might have a hard time avoiding debris. Solid pneumatic tyres are a durable option for these environments but it's still best to avoid running over debris whenever possible.

### **OPERATING CONDITIONS**

Your general work environment and operating conditions can shorten the life of your forklift tyres.

Something as simple as humidity can be a major issue. A very humid environment can make the floor sweat which causes the tyres to spin more. And spinning tyres means worn out tyres.

It's not just the environmental conditions. Your load affects the tyres too.

While you don't want to overload the lift truck, running the forklift without a load also shortens your tyre life. Without a load on the forks, the counterweight presses down on the steer tyres which causes them to wear more quickly.



# **OPERATOR BEHAVIOR**

Your forklift operator's driving habits and abilities affect the life of your tyres too.



Spinning the tyres, quick starts and stops, excessive speed and sharp cornering all reduce the life of your forklift tyres. If you're zipping around the warehouse, taking tight turns and stopping abruptly, it'll take a toll on your forklift tyres.

### 7. GETTING THE MOST OUT OF YOUR FORKLIFT TYRES

A tyre in good condition will increase your forklift's efficiency, improve productivity and reduce operator fatigue. Plus, getting the most out of your tyre means a better bottom line and a safer workplace.

So how can you keep your tyres in good condition? It starts with operator education, but it also depends on your tyre type and your environment.

# **OPERATOR EDUCATION**

Poor operator habits are one of the most influential causes of reduced tyre life. These basic reminders for operators can increase safety in the workplace and improve the life of the tyre.

Operators should not:

- Spin the tyres
- Overload the vehicle
- Run over debris

Operators should avoid:

- Quick starts
- Quick stops
- Excessive speed
- Sharp, aggressive cornering

### AIR PRESSURE

You should check the air pressure on your pneumatic tyres before each use. If that isn't possible, try to check daily. You can find the recommended PSI on the sidewall of the tyre.

Tyre air pressure needs to be checked often because air pressure fluctuates with increasing and decreasing temperatures. Higher temperatures increase air pressure, and lower temperatures decrease air pressure. This is not just a seasonal concern but a year-round responsibility as temperature can change drastically in a very short period of time.

Why does air pressure matter? Under-inflated tyres lead to poor traction, which can cause accidents. Over-inflated tyres can cause a blowout, which causes downtime and profit loss. Checking tyre air pressure is an easy way to avoid more serious problems that reduce productivity.

# WINTER RECOMMENDATIONS FOR FORKLIFT TYRES

Winter brings challenges when it comes to outdoor forklift operation. The snow and ice that come with the colder temperatures cause slippery conditions and reduced traction. Often, forklift tyre chains are the primary defence for reduced traction, but they aren't your only option.



**Reduced traction** is a major concern as snow and ice accumulate. You can get stuck easier than you might expect. When compared with a personal vehicle, a forklift is much heavier - even without a load - which makes sufficient friction even more essential when operating your forklift in slippery conditions.

The best way to get better traction is to increase the surface area connecting with the ground.

We recommend you use pneumatic tyres instead of solid pneumatic. Pneumatic tyres have more flex than solid pneumatics which increases the surface area contacting the ground and improves traction.

Quick Tip: Make sure you consistently check the tyre pressure of your pneumatic tyres. Under-inflated tyres can contribute to poor traction, and over-inflated tyres could lead to blow out.

### Check your tread.

It may seem obvious, but make sure your tyres' tread isn't worn away. Your tyres won't be able to grip the ground without it. If the tread is completely worn away, it's time to replace the tyres.



Use forklift tyre chains.

While forklift tyre chains aren't your only option, they are a great defence against slippery conditions and poor traction. Tyre chains are available for both pneumatic and solid pneumatic tyres.

Use them only when the snow and ice make it dangerous to operate or when conditions cause inefficiency or reduced productivity.

Quick Tip: Tyre chains aren't suitable for all circumstances since they can damage your tyres and the ground if used on a dry, flat surface like asphalt.



### Apply forklift tyre studs.

Studs can be screwed into the tread of your solid pneumatic tyres to help alleviate icy conditions. We recommend using studs with a solid carbide tip which are stronger and more durable.

Don't worry, after removing the studs the tyre won't be damaged and you can re-use the studs at a later date.

### Spread a sand-salt mix.

Salt won't affect your tyres, but it can cause the metal components in your forklift to rust. Instead of pure salt we recommend you use a sand-salt mixture.

### 8. WHEN TO REPLACE YOUR FORKLIFT TYRES

Not replacing forklift tyres at the appropriate time can lead to reduced fuel efficiency but that isn't the worst of it. Tyres in poor condition cause operator fatigue, which leads to mistakes and can be dangerous for others in the area. Extensive damage can also be done to your equipment if the tyres aren't replaced in time.

It's clear that replacing your forklift tyres at the right time is important but how do you know when they need replacing? Forklift tyres – like automotive tyres – don't have a specific time frame for replacement. Instead, you replace your forklift tyres when they are worn or damaged.

Here's a **quick video overview** on checking your tyres for wear and damage. For more in-depth information on when to replace your tyres, keep reading!

## **CHECKING YOUR TYRES FOR WEAR & DAMAGE**

Regularly inspect your forklift tyres to check for wear and damage. Your operators should include this in their pre-operation inspections. They'll be able to catch issues before they become a serious problem which is good for their safety and your bottom line.

To determine if your forklift tyre should be replaced, there are a few areas to check:

**Wear Line or Safety Line** - Many tyre manufacturers provide a wear line on the tyre. If the rubber has been worn down to the line, it's time to replace the tyre.



# USAGE

**Lettering** - Another way to check for tyre wear is on the sidewall of the tyre. Once the tyre reaches the top of the numbering or lettering on the sidewall, the tyre needs replacement.



**Tread** - Similar to a car tyre, visually check the tread height on the tyre to determine if the tyre needs replacing. If the tyre is balding, replace it.



**Chunking**- Chunking occurs when the tyres are repeatedly running over debris and cause large pieces to fall off the tyre. This can cause a bumpy ride for the operator, increasing fatigue and therefore mistakes. Damage to the load or product may also occur as a result of chunking.



**Flat Spots** - Sometimes flat spots can appear on the tyre caused by spin or aggressive braking. This creates an uneven and uncomfortable experience for the operator. You can prevent flat spots by training operators on appropriate speeds and braking procedures.



**Radial Cracking** - Radial cracking can occur when heat builds up within the tyre often due to overloading the machine. If you're consistently seeing radial cracking on your pneumatic or cushion tyres, consider using a larger or wider tyre to spread the weight of the load over more area. Heat build-up is also caused by traveling long distances with no weight on the forks. In these situations, the counterweight rests on the steer tyres instead of being evenly distributed.



## TYRE REPLACEMENT BASED ON YOUR TYRE TYPE

Wear and damage can look different depending on the type of tyres you have and there are plenty of ways to check if your tyres need replacement based on your tyre type. Let's start with **cushion tyres**.

There are a couple ways to check if your cushion tyres need to be replaced.

One of the primary ways is the **two-inch rule**. If the tyre has lost two inches or more from its original height, it needs replacement. The tyre's original height or outer diameter can be found on the sidewall of the tyre.



When measuring the tyre's wear, picture the tyre as if it's a compass, with the top of the tyre as north. Take measurements across the centre of the tyre from west to east. Measurements may be skewed if you take them from north to south because the tyre flattens under the weight of the forklift.

Keep in mind that the two-inch rule only works on cushion tyres.

# **CUSHION TYRE WEAR CHART**

Check the outer diameter (OD) and rim inside diameter (ID) of your cushion tyre (found on the sidewall). If your tyre's outer diameter is around the "Old Tyre OD" for your tyre size, it's time to replace it.

8	4 - 1/2	6.50
8 - 1/4	4	6.5
9	5	7.25
10	5	7.75
10	6	8.25
10	6 - 1/4	8.38
10	6 - 1/2	8.50
10 - 1/2	6 - 1/2	8.75

12	8	10.25
13	8	10.75
13 - 1/2	8	11.00
14	8	11.25
14	10	12.28
15	11 - 1/4	13.41
15 - 1/2	10	13.03
16	10 - 1/2	13.53

16	12	14.28
16	4 - 1/8	14.34
16 - 1/4	11 - 1/4	14.03
17	12 - 1/8	14.84
18	12 - 1/8	15.34
18	14	16.28
20	15	17.78
20	16	18.28

21	15	18.28
22	16	19.28
22	17 - 3/4	20.16
23 - 3/4	17 - 3/4	21.03
24	20	22.30
26	20	23.30
27 - 3/4	26 - 1/2	25.93
28	22	25.30

30

36

**Check for damage where the band and the tyre meet.** Bond failures occur when the rubber has separated from the metal band. If you can stick a screwdriver or a knife into the separated area, it is time to replace the tyre.

33.36



**Visually inspect the tread.** For traction cushion tyres, visually check the tread as there is no definitive tool to help determine tread wear. When 25-30% of the available tread is worn, the tyre should be replaced.



Let's move on to **solid pneumatic tyres**. If there are no obvious signs of damage, go by the amount of wear. When solid pneumatics have lost 75-80% of the available tread, they should be replaced. Though this rule works for most cases, you'll want to take your operators and your application into consideration.

Finally, let's go over wear for **polyurethane tyres**. One of the more common signs of wear on poly tyres is radial cracking. This occurs when heat builds up within the tyre material and escapes through the exterior of the tyre. Polyurethane tyres with radial cracking are ready for replacement.

# **BENEFITS OF REPLACING YOUR FORKLIFT TYRES**

Newly replaced tyres benefit the forklift operator and company. Some of these benefits include:

- Reduced fuel consumption
- Maximized efficiency
- Increased traction

Additionally, new tyres will reduce shock, creating a better ride for the operator and leads to reduced operator fatigue. It can also lower maintenance costs. Similar to a bicycle in a higher gear, newly replaced tyres can cover the same distance in fewer rotations. This means that drivetrain components will experience less wear.

### 9. COST REDUCTION RECOMMENDATIONS

Replacing your tyres can be costly. Though it's a necessary expense, there are a few ways you can reduce your costs.

# **CHOOSE SMOOTH OVER TRACTION**

When possible, use smooth cushion tyres rather than traction tyres. This switch can increase the consumable rubber by 7-12%. Plus, you'll experience increased traction as long as water or other liquid debris is not present.

# GET HIGH RUBBER RESILIENCE TYRES

Tyres with high rubber resilience benefit from low-rolling resistance. Switching to these tyres can typically reduce fuel consumption in LP gas forklifts by up to 15% and extend the working hours between charges for electrics.

## UPSIZE

Upsizing your tyres can provide several benefits including:

- Longer tyre life
- Increased traction
- Increased stability
- Increased shock absorption

You'll also experience cooler running tyres. Plus, your load carrying capacity will increase as the weight is spread out along the tyre. On average, increasing tyre size by one inch translates to 800 pounds in additional load carrying capacity.

# **REPLACE PNEUMATICS WITH SOLID PNEUMATICS**

We often recommend switching from pneumatic to solid pneumatic tyres. This does not necessarily apply to winter conditions. However, in many situations replacing your pneumatic tyres with solid pneumatic tyres can:

- Improve tyre life by two to three times
- Increase stability
- Reduce downtime (no flats)

Before making these changes, verify with your <u>tyre dealer</u> that your equipment, facility and application will see these benefits.

From basic tyre components and choosing your forklift tyres to getting the most out of your tyres and reducing your costs, by now you should be a forklift tyre expert.