



# SETCO<sup>®</sup>

SOLID TIRE & RIM ASSEMBLY  

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TOUGH. TESTED. PROVEN.



# FRONT END LOADER TIRES

SETCO solid tires offer the ultimate in ride while still providing the benefits of longevity and durability. SETCO solid tires for loaders are guaranteed to provide a lower cost per hour with no catastrophic tire failures.







Ideal for scrap yards, recycling stations, mrfs & transfer stations. Any abusive application, The "Junk Yard Dog" will get the job done. A variety of traction tread designs are available for individual applications. Custom designed for the smallest compact loaders to the largest front-end loaders.





# SKID STEER TIRES



The Soft Ride and/or Air Ride skid steer tires offer a tremendously better ride than operators were used to in the past with conventional skid steer tires.

SETCO manufactures the softest flat proof skid steer tires in the industry, with more pushing power, load capacity and reliability. Available in a variety of tread designs and styles.



SETCO skid steer tires, lasting 3 to 5 times longer than foam-filled or other solid tires, combined with durability, traction and proven performance, are the most cost effective skid steer tires available.





SETCO skid steer tires are ideal in all types of applications, from scrap yards and trash transfer facilities, to recycling stations of glass, steel, paper & plastics, to the demolition area. SETCO offers skid steer tires with custom specifications to lower height and reduce width which allows the skid steer to work in restricted areas. Compression molded for more durability and longevity.





# MINING



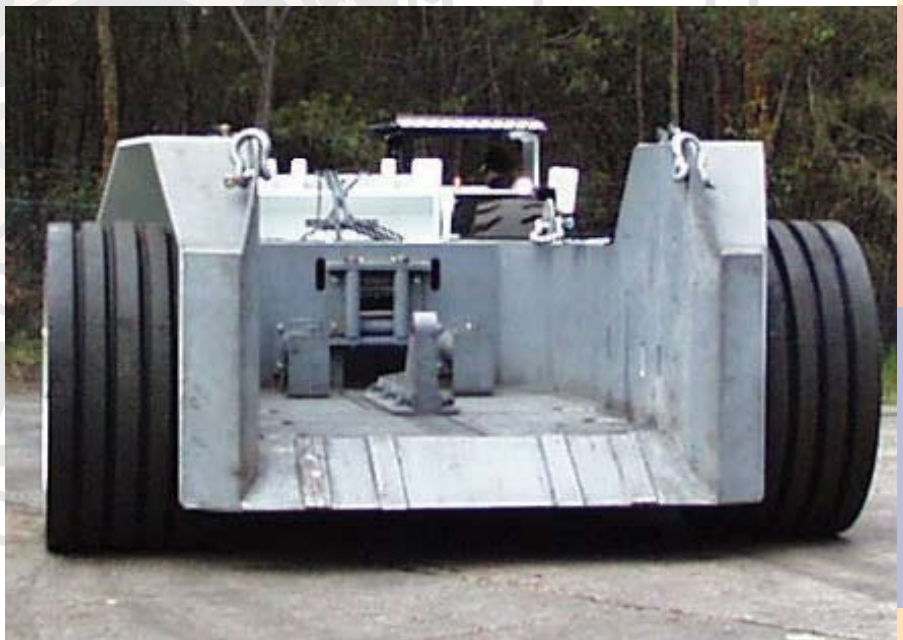
SETCO has the flexibility to custom manufacture solid tires to haul the heaviest loads and can easily change the entire dimensions of tires by varying the rubber depth for maximum load and carry. SETCO's custom heat dissipating rubber compound minimizes heat throughout the entire assembly to maximize load capacities.





SETCO's newest design, the S-Mine tire, has an improved shape and tread design. This design will provide the best traction as well as longevity and productivity. Air holes are molded into the sidewalls for a much softer ride.

If the tires cut or chunk, it simply means you've added more traction to the tread. SETCO tires will not absorb moisture or deteriorate when damaged like most urethane-foam filled tires do.



LOADERS

SKID STEERS

MINING

EDGES

MATERIAL HANDLERS

BACKHOE/FORKLIFT

HAUL TRUCK





# MINING (CONT.)



SETCO solid tires are the most advantageous in the mining industry. SETCO tires do not suffer from premature failures, which have plagued the mining industry. They are under no pressure whatsoever, eliminating the danger of the tire exploding or blowing out at the slightest puncture.







LOADERS

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SETCO offers solid tires for a large variety of mining equipment with various designs and tread patterns available.





# RUBBER CUTTING EDGE



SETCO's compression molded "Rubber Cutting Edge" is one continuous piece of rubber, which provides greater strength and increased life. Reversible & double tapered for optimum longevity. Unique key lock system offers versatility and easy installation.





SETCO's rubber cutting edge protects and cleans the surface of the floor while effectively decreases tire spinning.

Rubber edges are available with 3" of rubber for skid steers, 4", 5", 9" & 12" of rubber for various size loaders.



Rubber leveling pads, mounted at the rear, allow the bucket to be operated at the proper angle, minimizing pressure on the cutting edge, increasing longevity.



SETCO offers "combo" edges with steel wear guards for added durability.





# MATERIAL HANDLERS

More rubber, with air holes, has increased hours of operation by as much as 100%. Operator comfort and machine fatigue are greatly improved with the incorporation of air holes in the design. This advancement has yielded a far superior ride to that of older style solid tires.



With SETCO solid tires in a crane application, fear of premature tire failures is gone.







Due to the abusive environment that tires are exposed to in scrap yards, operators have found that SETCO Solid Tires are really the only option.



SETCO solid tires on a material handler will provide the durability and puncture resistance required to survive in a scrap yard environment.







## BACKHOE/FORKLIFT TIRES

SETCO manufactures a super single forklift tire that takes the place of conventional tires in a dual application. By doubling the width, the load capacity is increased and the void between tires is eliminated.



Solid tires for backhoes are the ideal solution by providing traction and increased pushing power. Rims are manufactured with A36 steel, combined with an exclusive rubber compound and compression molded, which provides extremely long life. The Soft Ride assembly offers a cushioned ride, with more comfort for the operator and less stress on the equipment.



SETCO forklift tires are manufactured with a long lasting rubber compound throughout the entire forklift tire with more usable rubber, a softer ride, durability, and proven performance.



With a Super Single design, SETCO has diminished the danger of debris being caught up and causing damage to the tires.







SETCO tires have increased strength in the rims as well as the rubber compounds. Built to replace Budd or Dayton style wheels, haul truck tires manufactured by SETCO eliminate problems which occur due to the void between a common dual tire set up.



## HAUL TRUCK TIRES

By eliminating the void, the risk of debris being caught between the tires is gone. With this hazard removed, SETCO reduces the danger of premature failure and increases the overall longevity. All of these factors decrease the cost per hour of equipment and tires.







LOADERS

SKID STEERS

MINING



EDGES



MATERIAL HANDLERS



BACKHOE/  
FORKLIFT

HAUL TRUCK

SETCO's Super Single tires are uniquely designed to do away with the dead space between conventional dump truck tires.

[WWW.SETCOSOLIDTIRE.COM/HAUL-TRUCK-TIRES](http://WWW.SETCOSOLIDTIRE.COM/HAUL-TRUCK-TIRES)







SETCO Solid Tire is located on a 100-acre facility positioned in the central part of the U.S. which makes shipping no more than a 2 to 4 day point to anywhere in the continental United States. SETCO manufactures, from the ground up, solid tires for all makes and models of equipment used in off the road applications and abusive environments where only a solid tire will work, such as skid steer tires, forklift tires, crane tires, haul truck tires, front end loader tires, and solid tires for backhoes. SETCO also manufactures rubber cutting edges.

SETCO's in-house machining and fabrication department is the beginning in SETCO's tire manufacturing process. Only the finest materials and state-of-the-art equipment is used in creating the industry's finest solid tires. SETCO has the ability to custom design any application. The dimensions of SETCO tires can easily be adjusted to fit any individual need such as height and width. SETCO's exclusive rubber compound used to manufacture solid tires maximizes cut resistance and longevity.

SETCO solid tires have tremendous benefits in abusive applications and can survive hazards where obviously a pneumatic tire cannot last due to extreme environments. SETCO tires are manufactured through a patented bonding process, using a compression-molded procedure. SETCO solid tires insure no premature failures due to cuts and chunking. SETCO tires are guaranteed to rebuild unlike a foam-filled pneumatic tire that may not recap due to contamination of the casing, chunking and deterioration. SETCO tires have greater usable rubber, a specialized rubber compound that uses only 100% natural rubber with a mixture of shredded wire with a tensile strength of 70,000 lb psi. This rubber combination which provides extreme stamina, cut resistance, and extended tread wear has proven to be far superior to other rubber compounds commonly used.

## **ADVANTAGES OF SETCO SOLID TIRES**

With SETCO solid tires there is absolutely no costly downtime due to flats. With ZERO downtime due to tire failures, there is typically no need for spare tires. Conventional or pneumatic tires, even if foam filled, can be a nightmare of expense when used as skid steer tires, forklift tires, haul truck tires, crane tires or front end loader tires. One wrong turn or even a "stroll" through a scrap yard, demolition site or recycling center on what some might consider a clean path can result in total tire failures. SETCO solid tires have the ability to absorb contact with the same devastating debris with only minor cuts or abrasions. Adapter plates to convert existing SETCO tires to a different, comparable piece of equipment are available at a minimal cost.

# **TIRE DESIGNS**

## **TREAD DESIGNS FOR SOLID TIRES**

With SETCO's advanced technology and in-house tread design center, we offer a wide variety of tread designs to fit any unique or individual application. SETCO's solid rubber tire traction tread designs can drastically improve traction in challenging fields. Beginning with a smooth tread in operations where traction is not an issue, to the most severe applications where extremely aggressive traction tread designs are a necessity in order for the machine to operate, SETCO has it all. SETCO offers traction tread designs with as little as 4 lugs per side to as many as 16 lugs per side of each solid tire. The length and width of each lug is determined by the individual size of the tires.



## **CUSTOM TREAD DESIGNS FOR SOLID TIRES**

Custom tire tread designs are a specialty of SETCO. SETCO Solid Tire can design your custom tread applications for any type solid tires. Custom tread designs are available upon request. All smooth and traction tread designs are manufactured using a compression molded process. This patented production process insures a quality product that virtually eliminates the fear of premature failures due to bonding or separation concerns.

## **SOLID TIRE DESIGNS**

### **CLASSIC STYLE SOLID TIRES**

The original SETCO tire was the first in a line of innovative and revolutionary ideas for solid tires. Conceived in 1988 for performance in extreme and abusive applications, SETCO's Classic style was designed to work where nothing else would! Even today, the legendary "Junk Yard Dog" still lives up to it's reputation by adding more dollars on the bottom line. With TOUGH traction, TESTED durability and PROVEN longevity, put SETCO solid tires to work in your operation today!

### **SOFT RIDE TIRES**

SETCO's Soft Ride tire is every bit as tough as the original SETCO Junk Yard Dog, but offers a much softer ride. Our revolutionary dual rubber compound results in a cushioned ride, which means less fatigue on the equipment and more comfort for the operators. Available in a variety of tire tread designs for all makes and models of equipment.

### **AIR RIDE TIRES**

Advanced mold designs and state-of-the-art technology has enabled SETCO to improve the previously designed line of solid tires with air holes. The Air Ride tire now has two or more circular rows of holes, strategically placed around the circumference of the tire on both sides in the softer durometer rubber. Since the rows of holes are offset, they actually deflect the pressure from each other and help prevent stress cracks. The presence of these holes allows the tire to deflect in different areas, relieving stress from the weight of the machine. The shock, as the machine works, is absorbed through the air holes, decreasing stress on the equipment. Increasing the tire's deflection widens and lengthens the footprint providing greater shock absorption and traction while reducing stress on the operator as well. The result is a solid tire that offers the ultimate in ride while still providing the benefits of longevity and durability. The combination of softer durometer rubber and the air holes equals a much-improved shock absorbing solid tire, which provides a greatly enhanced ride. Machine fatigue and operator discomfort are things of the past with SETCO's air ride tires.

### **JELLY BELLY TIRES**

SETCO Jelly Belly tires are a product aimed at providing superior comfort level for operators. These flexible solid tires have a narrower rim, with dual rubber compounds and 25% more rubber, allowing the tire to deflect twice as much. This additional flexibility means substantially less shock and provides a "built in" suspension for the machine. SETCO Jelly Belly tires are ideal for smaller front end loader solid tires in low tonnage facilities.

**E-mail: [sales@setcosolidtire.com](mailto:sales@setcosolidtire.com)  
[www.setcosolidtire.com](http://www.setcosolidtire.com)  
800-634-2381 • 877 SETCO JYD  
580-286-6531 • 580-286-6743 FAX**







# Next Generation Air Ride



Our "Next Generation Air Ride" has twice as many holes, positioned in the softer durometer rubber around the circumference of both sidewalls, that results in a ride you simply have to feel to believe. The abundance of holes produces tire deflection, providing shock absorbing effects on the machine, much like a pneumatic tire. Machine fatigue and operator discomfort are things of the past with the Next Generation Air Ride tire.



# Air Ride



Advanced mold designs and state of the art technology has enabled SETCO to improve the previously designed line of tires with air holes. The "Air Ride" assembly now has two circular rows of holes placed in the softer durometer rubber. The combination of softer rubber and the placement of the air holes create a greatly enhanced ride!



# Classic



The first in a line of innovative and revolutionary ideas for solid tires, the original SETCO assembly was conceived in 1988 for extreme and abusive applications. Designed to "Work Where Nothing Else Will," the legendary "JUNK YARD DOG" still lives up to its reputation by adding more dollars on the bottom line!



# Soft Ride

The "Soft Ride" assembly is every bit as tough as the original SETCO, but offers a much softer ride. The revolutionary dual rubber compound results in a cushioned ride, which means less fatigue on the equipment and more comfort for the operators. Even the toughest have a soft side!



# Jelly Belly



SETCO's next achievement provides a superior comfort level for operators that rivals even the ride of pneumatic tires! A narrower rim, with dual rubber compounds with 25% more rubber, allow the tire to deflect twice as much, which means substantially less shock, and provides a "built in" suspension for the machine. Just a solid tire? Not anymore!



P.O. Box 809 • Idabel, OK 74745

E-mail: [sales@setcosolidtire.com](mailto:sales@setcosolidtire.com)

[www.setcosolidtire.com](http://www.setcosolidtire.com)

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