

**CROWN**



**INTEGRITY  
Parts  
SYSTEM®**

## Wheels & Tires





# PROTECT YOUR INVESTMENT DOWN TO THE TREAD

*Choose Crown Quality Wheels and Tires to Maximize Performance*

Wheels and tires are the most frequently replaced parts on a lift truck. Stop this buying cycle in its tracks with wheels and tires designed specifically for your application. The correct compound, hardness and tread allows your lift truck fleet to run longer and safer at maximum performance levels.

As part of the Crown Integrity Parts and Service System<sup>®</sup>, Crown's recommended wheels and tires offer:



Maximum Savings



Increased Productivity



Improved Safety



Longer Life

## Crown Brand

All genuine Crown wheels have an identifier code stamped into the hub and Crown Integrity Parts System<sup>®</sup> with compound number on the wheel.

## Tread/hub ratio

Proper ratio of tread to hub thickness maximizes wheel/tire life.

## Bonding

Consistent, quality processes ensure durability of polyurethane and bonding agent.

## Hub

Because the hub is a heat sink, hub thickness, material, bearing quantity and size all affect performance.

## Compound

Correct polyurethane formulation determines capacity and durability.

## Manufacturing process

Heavy-duty wheels must have tight bearing bores and good overall concentricity for optimum performance. Light-duty wheels require less hub thickness and tolerances.



"Crown Integrity Parts is one of our best business decisions for maintaining our material handling assets. On a personal level, Crown's parts program means 'peace of mind'. With Crown, our equipment runs longer and repairs are faster, which equates to higher operating time and less maintenance cost."

Bill Esra  
Project Manager  
Advanced Auto Parts



*Don't sacrifice safety and performance.*

Rely on Crown and our dealer network's expertise to find the best load-wheel and tire solutions for your operation.



# MAXIMIZE SAVINGS

## Don't Let Wheel and Tire Replacement Costs Spin Out of Control

Don't let an initial decision to save money turn into a costly mistake. Although Crown's recommended wheels and tires may cost more up front, they usually last up to 20 percent longer. Choosing a "one size fits all" aftermarket wheel or tire that is not a fit for your specific application can cost you thousands of dollars in downtime and high repair costs.

Let Crown's team of professionals select the right wheels and tires for your application. With Crown's recommended wheels and tires, you'll get the value you expect and the savings you deserve.



▲ Crown reach trucks offer a patented **QUICK CHANGE LOAD WHEEL** assembly option that allows technicians to replace wheels in 2 ½ minutes compared to a traditional replacement time of 30-40 minutes.

# INCREASE PRODUCTIVITY

## Experience Crown's Performance Advantage

Load wheels and tires are the most frequently serviced part on lift trucks as they maneuver over reefer floors, uneven floors, expansion joints, docks and debris everyday. This environment is hard enough on wheels and tires. Don't let premature wear due to the wrong compound reduce your productivity.

Consequently, lift truck downtime means operator downtime. Gain traction on your costs and count on Crown's expert team of professionals to help you:

- Determine if your needs are light duty, midrange, high capacity or heavy duty
- Specify the right compound, hardness and tread pattern



▲ Your current tread pattern may cause chunking that can sacrifice overall safety and productivity. Choose polyurethane tires that help to grip wet, slick surfaces without chunking. A special hole pattern allows your operators to experience better traction, better braking, increased productivity and improved safety.

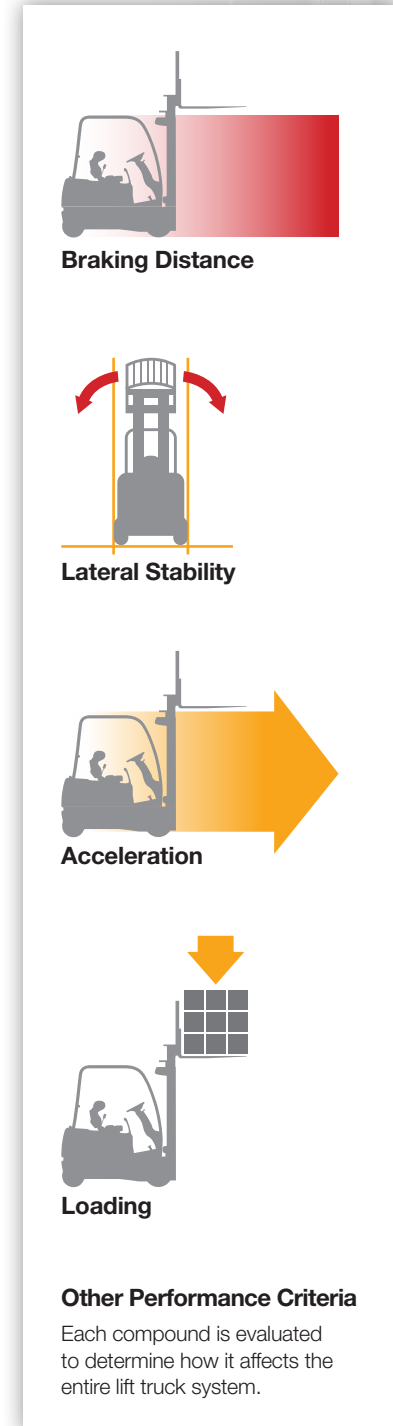
▼ Flat spots can cause your wheels to wear out prematurely. Crown's Triple Load Wheels include an independent wheel rotation that reduces coning and increases load wheel life.

# IMPROVE SAFETY

## Keep Your Product Moving with Confidence

Rely on Crown to help you choose the appropriate wheels and tires for your application. We offer the best solutions from top manufacturers based on key performance factors, which include hubs, bonding, compounds, tread/hub

ratio and manufacturing processes. The illustrations below show the reasons why it is critical to determine, for example, whether a compound is too hard or soft and whether the compound will adversely affect safety and performance.





# FIND THE RIGHT SOLUTION

## Experience Exceptionally Longer Wheel and Tire Life

Don't compromise performance, productivity and reliability with low-cost replacement parts. Crown's variety of compounds and treads — with four performance levels to choose from — are matched to your application type. Chosen from top manufacturers based on performance standards, Crown's recommended wheels and tires help optimize wheel and tire performance for your specific needs.

### 3-Step Evaluation Process

#### Usage Analysis

What is the right amount of wheel and tire usage for your application as it relates to your industry?

#### Failure Analysis

What is the cause of your wheel and tire failures (e.g., overloading, heat failure, bond failure, floor debris damage)?

#### Best Value Benchmarking

Have you established a best value solution for your application through benchmarking and tracking?

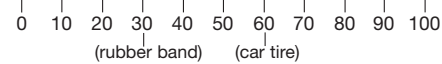
# Wheels

Wheel Series	Compound Number	Shore A Hardness	Application Types				
			Long Runs/ Heavy Loads	Dock Boards/ Expansion Joints (Chunking)	Metal Chips/ Floor Debris (Flat Spotting)	Wet Conditions	Freezer
<b>100</b> SERIES Light Duty	These economical 100 Series Light Duty wheel compounds are best suited for light loads and intermittent use.						
	101	93A		○	○	○	○
	102	95A		○	○	○	○
<b>200</b> SERIES Midrange	The Mid-Range wheels are designed for light to medium loads and short to medium runs.						
	201	83A		●	●	●	●
	204	85A		●	●	●	●
	205	87A		●	●	●	●
<b>300</b> SERIES High Capacity	For the typical demands of most applications, High Capacity wheels feature compounds designed for high capacities and long runs.						
	301	95A	●	●	●	●	●
	302	93A	●	●	●	●	●
	305	95A	●	●	●	○	●
	306	97A	●	●	●	●	●
	306	97A	●	●	●	●	●
<b>400</b> SERIES Heavy Duty	Heavy Duty wheels are designed for maximum capacities and extreme runs.						
	401	93A	●	●	●		
	402	99A	●				

○ = Good   ● = Better   ● = Best



### Shore A Hardness Scale



Softer compounds are typically more cut and tear resistant and provide a smoother ride. Harder compounds typically provide improved travel speeds, due to less rolling resistance.

# Tires

Wheel Series	Compound Number	Non-Marking Compound*	Shore A Hardness	Application Types				
				Long Runs/ Heavy Loads	Dock Boards/ Expansion Joints (Chunking)	Metal Chips/ Floor Debris (Flat Spotting)	Wet Conditions	Freezer
<b>100</b> SERIES Light Duty	These economical 100 Series Light Duty wheel compounds are best suited for light loads and intermittent use.							
	141	151	91A		○	○	○	○
	142	152	93A		○	○	○	○
<b>200</b> SERIES Mid-Range	The Mid-Range wheels are designed for light to medium loads and short to medium runs.							
	241	251	87A		●	●	●	●
	242	252	85A		●	●	●	●
	243	253	83A		●	●	●	●
<b>300</b> SERIES High Capacity	For the typical demands of most applications, High Capacity wheels feature compounds designed for high capacities and long runs.							
	341	351	93A	●	●	●	●	●
	342	352	90A	●	●	●	●	●
	343	353	85A	●	●	●	●	●
	348	358	95A	●	●	●	●	●
	349	359	93A	●	●	●	●	●
<b>400</b> SERIES Heavy Duty	Heavy Duty wheels are designed for maximum capacities and extreme runs.							
	441	451	99A	●				
	442		93A	●	●	●		
<b>Center Groove</b>				●				
<b>Thick Sipe</b>							●	●
<b>Thin Sipe</b>							●	●
<b>Diamond Groove</b>							●	○
<b>Hole Pattern</b>							●	●

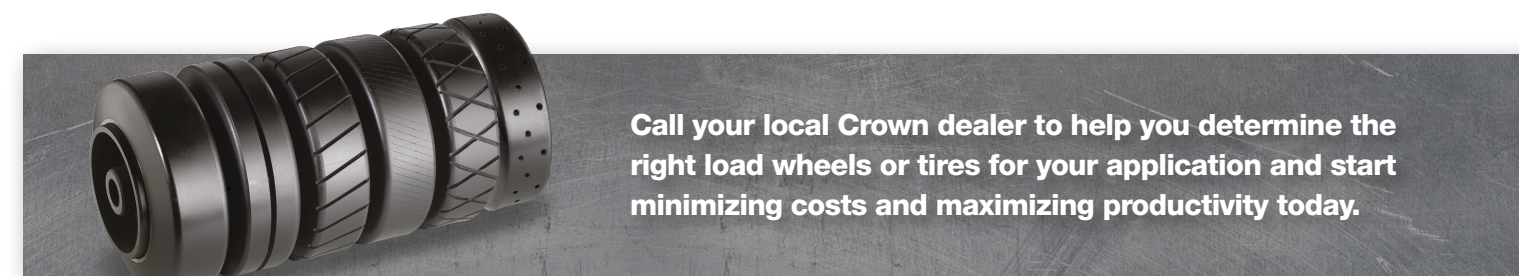
\*All Polyurethane is a non marking.

○ = Good   ● = Better   ● = Best

## Treads\*\*

<b>Contour/Smooth -01</b> All purpose.	<b>Center Groove -02</b> Dissipates heat and provides better traction. Heavy loads, long runs, extreme heat.	<b>22° Thick Sipe -03</b> Increase traction. Good for wet/freezer applications. Great for standing water.	<b>22° Thin Sipe -04</b> Increase traction. Great for wet/freezer application.	<b>Diamond Groove -05</b> Increase traction. Good for wet/freezer applications. Great for standing water.	<b>Hole Pattern -06</b> Great on damp floors, produce areas, and cold storage facilities. Resistant to chunking and tearing.
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\*\* Treads not available in all sizes.



Call your local Crown dealer to help you determine the right load wheels or tires for your application and start minimizing costs and maximizing productivity today.





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