

QUANTUM 99™



QUANTUM 99

THE ALUMINUM WHEEL JUST GOT
STRONGER



Your only single source for industry-leading wheel end solutions.

STEEL & ALUMINUM WHEELS | DRUMS | HUBS | ROTORS | SLACK ADJUSTERS

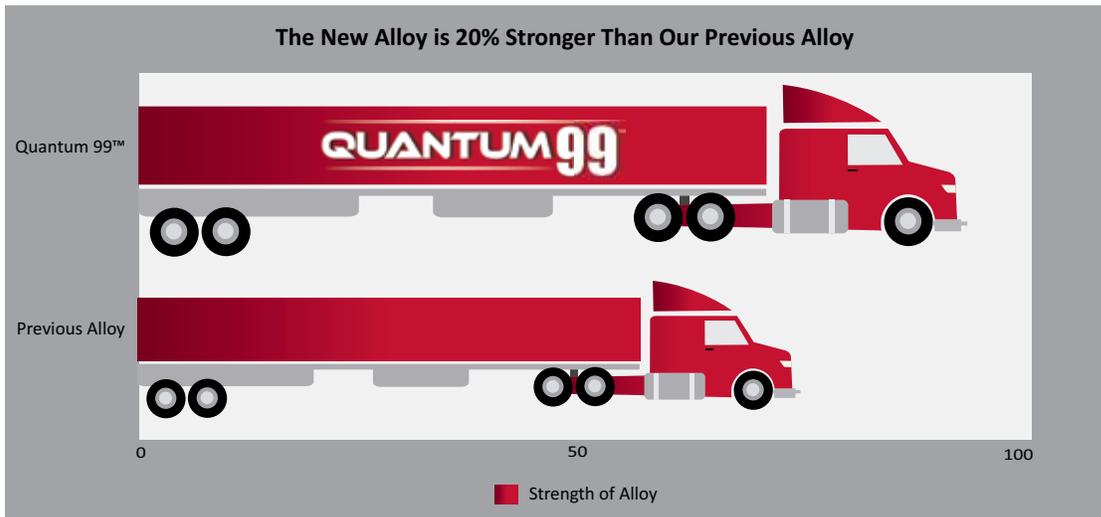
Quantum 99™ – unrivaled strength and durability from Accuride

We know you're looking for ways to reduce the weight of your fleet, while improving fuel economy and payload. Accuride has the answer: our new aluminum alloy, Quantum 99™. Our metallurgists and engineers developed this break-through, next-generation alloy for commercial vehicle wheels. Think 20 percent stronger, with an optimized microstructure that enhances performance of the wheel. **That's Accuride's new Quantum 99™.**

QUANTUM99™

Quantum 99™ is 20 percent stronger than other alloys

What does a stronger alloy mean to you? It means stronger, lighter aluminum wheels that deliver the durability you rely on from Accuride. It means the strongest, most advanced alloy technology for commercial vehicle wheels. It's 20 percent stronger than our previous alloy.



Save five pounds per standard aluminum wheel

Lowering your fuel consumption isn't just a matter of regulatory compliance, it's about profitability. By utilizing Quantum 99™ for Accuride's standard 22.5" x 8.25" aluminum wheel, we've eliminated five pounds of weight per wheel. That simple five-pound reduction means a lot to your bottom line. It lowers total vehicle weight by about 100 pounds when your tractor-trailer rolls on all-aluminum wheels. That 100-pound difference means fewer gallons at the fuel pump and dollars in your operating budget. Less fuel consumption equals higher profitability for your fleet.



According to the Environmental Protection Agency's Smartway program, shedding 3,000 pounds of total weight can yield annual fuel savings of 200–500 gallons. Accuride's new 40 pound aluminum wheel will help you reach that goal fast. Up to 810 pounds of weight savings are possible, depending on wheel combination. And your savings per gallon grow with every penny fuel prices rise.

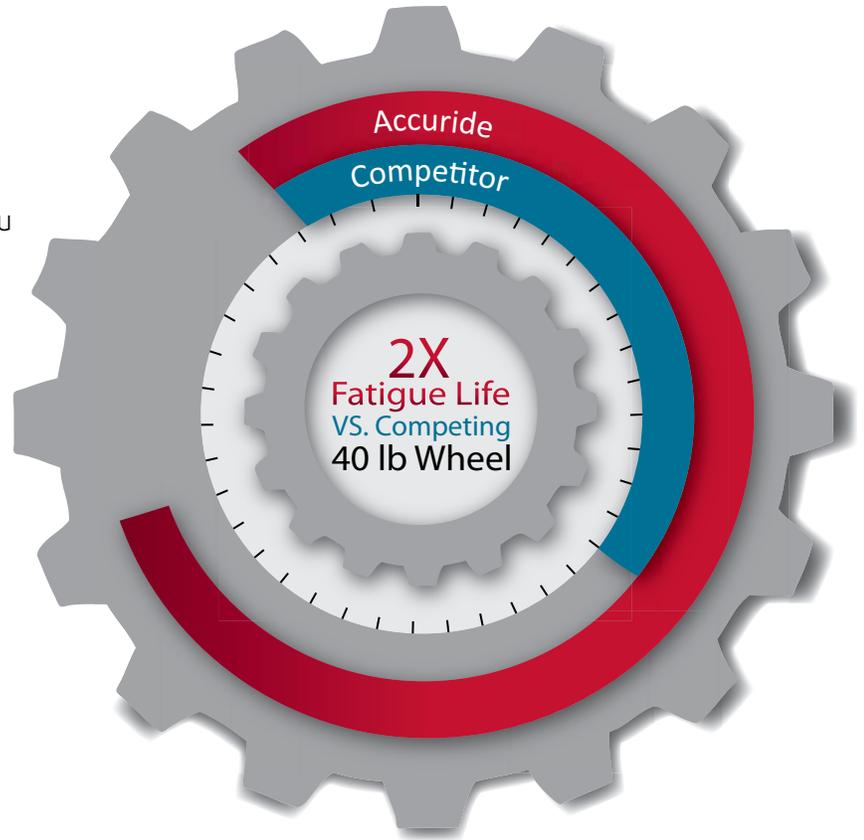
QUANTUM99™

Twice the life over the competitor's aluminum wheel*

Not only does reducing wheel weight enable your fleet to carry more payload, it helps boost the profitability you need to keep your trucks on the road. Our wheels made with new Quantum 99™ deliver improved efficiency by reducing downtime for planned or unplanned maintenance.

The microstructure of the wheel has been optimized, providing **twice the wheel fatigue life** compared to competing 40 pound wheels.

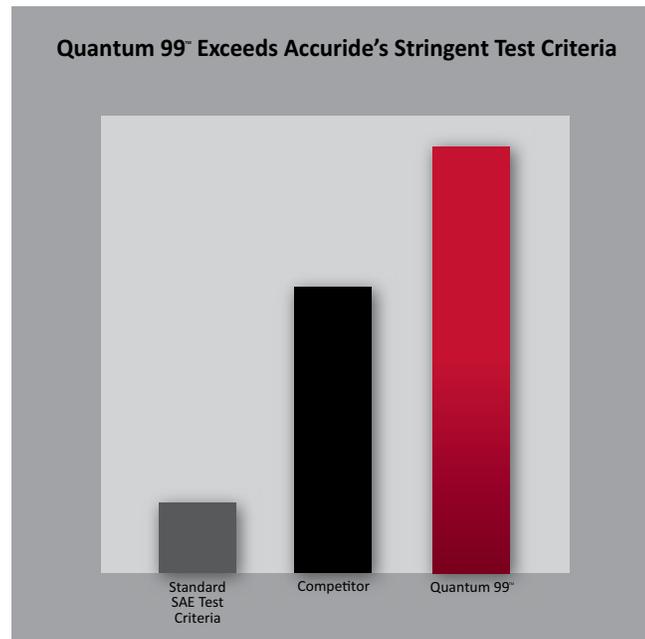
Light weight and longer life. Now, that's value.



The only 40 pound aluminum wheel to pass Accuride's stringent testing

You know you can depend on Accuride to test our products beyond the industry standard. We test our wheels, and our competitor's, in our state-of-the-art in-house test lab for results you can rely on.

Wheels exceeding standard SAE testing and Accuride's higher and more stringent test criteria provide longer life before replacement.

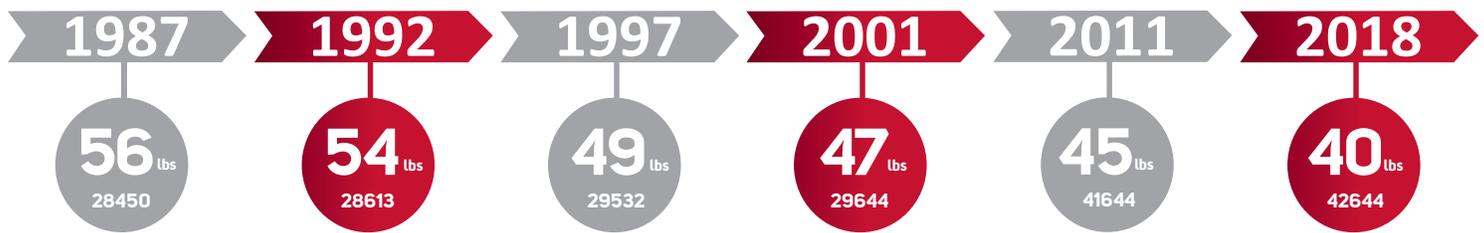




QUANTUM99™

Decades of engineering and manufacturing experience at work for you

Regulatory and competitive pressures never rest. That's why Accuride has been refining and improving the design of industry standard aluminum wheels for over 30 years. We know that light-weighting your fleet is critically important in the face of costly and restrictive emissions regulations and shifting fuel prices. Our goal is to support you as these and other variables in the trucking industry impact your operating costs. Delivering 16 pounds of weight reduction in 30 years through product development, engineering, and manufacturing excellence demonstrates our commitment to keeping customers cost-efficient and competitive.



You can order the industry standard 22.5" x 8.25" aluminum wheel and enjoy the benefits of Quantum 99™. Part number 42644 offers the same features and dependability you have relied on from its predecessor (41644).

Additional sizes and part numbers will become available in the future.

SPECIFICATIONS								
Part Number	Wheel Size	Bolt Holes	Bolt Circle (mm)	Center Bore (mm)	Offset	Weight (lbs)	Max Load (lbs)	Max Inflation (psi)
42644	22.5 x 8.25	10	285.75	220	6.59"	40	7,400	131

Contact your sales representative for pricing and availability.

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