

# Reinke **SINGLE-LEG TOWER**

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**D**id you know you can tell a lot about a pivot by looking at its tower profile? If you look at the tower profile of a modern Reinke pivot, you will see one piece of steel connecting the wheel base to the pipe. We call this a single-leg tower.

If you look at the pivot profiles of our competitors, you will see what looks like an isosceles triangle or two metal pieces of equal length connecting the wheel base to the top of the tower. Additionally, several metal bars run between those two pieces. This is known as a double-angle leg tower.

We are proud that our founder Richard Reinke invented so many of the designs and concepts used in mechanized irrigation today. Mr. Reinke left a legacy of innovation and we don't take that lightly. We view this as a responsibility to provide agricultural producers with the best irrigation products in the industry.

More than 40 years ago, Reinke developed a better way to design system towers. The high-strength, single-leg tower replaced the company's earlier established double-angle iron leg tower. This shift marked the beginning of Reinke using high-strength, low-alloy steel materials on systems to reduce weight, while also enhancing structural integrity.

Why is the single-leg tower a better design? It begins with the design and selection of high-strength materials. A Reinke span eliminates more than



600 pounds of unnecessary soil-compacting weight when compared to a competitor's span of equal length and pipe diameter. Our C-Channel tower leg is made from the strongest steel. The C-Channel leg eliminates the need for cross bracing, thus eliminating additional weight. Galvanized stiffeners are attached to the bottom of the trussing to divert stress from the water pipe, distributing it evenly to the entire span. Less stress on the water pipe increases its longevity, reducing the need for maintenance and repairs.

One metal piece instead of two, zero cross bracing, and galvanized stiffeners of 3-inch diameter add up to a tower leg with less surface area to obstruct the water distribution. That means improved water application. It also allows the pivot

to pass through taller crops without causing damage or breakage to the tops of the crop.

In review, the Reinke's single-leg tower is lighter, yet stronger, and has increased stability and flotation over a double-angle leg tower. The superior design does not transfer stress directly to the pipe and reduces component fatigue, resulting in a longer system life with less maintenance. Additionally, its minimal profile improves water application.

At Reinke Manufacturing, we stand behind all our products, from design and manufacturing through installation and service. We call that our 100% Reinke Certified guarantee. Find out more about our 100% Reinke Certified products at [www.reinkecertified.com](http://www.reinkecertified.com).



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