

**8500P | CENTER PIVOT**



TECHNOLOGY... STRENGTH...  
ZIMMATIC VALUE

# Incredible value with Zimmatic's trusted strength and durability



Zimmatic® by Lindsay's 8500P center pivot provides an incredible value for your operation. Combining state-of-the-art engineering design processes with the latest in material science, the 8500P center pivot features a 12-gauge pipeline in a high strength machine you can trust to provide consistent irrigation for many years.

- Updated, proven design
- Industry-leading materials
- 12-gauge pipeline matches the competition's thickest pipeline while providing reliable irrigation for many years
- Multiple span length and tower height options
- Compact pivot point for economical installation, and built to fit other brand's pads
- No restrictions on machine length
- Backed by complete Zimmatic warranty



## ***Superior efficiency from advanced engineering***

The 8500P is built to make the most of every part. It's designed with advanced computer modeling, followed by:

- Exhaustive Finite Element Analysis (FEA)
- Complete review of all materials
- Technologically advanced engineering techniques using the most efficient design possible with lighter weight components

# 8500P – Value and stren

The 8500P irrigation system now adds even more value to your growing process, with new and improved cor

## STRUCTURE

*Quality materials at a value price.*

- High tensile strength 11/16-inch truss rods
- 8500P exclusive truss design and truss rod pockets
- Full complement of tower options – low, standard, medium- or high-clearance
- Crossed tower braces provide more support for torsional loads
- Zimmatic's exclusive Uni-Knuckle span connection offers full support, stress-free flexibility and external design to eliminate flow restriction
- Optional 8500P compact pivot point allows use of competitive pivot pads with a smaller footprint, reducing installation costs
- Attractive, uniformly arching spans

## PIPE

*The 8500P's pipes have been tested to ensure quality and meet the Zimmatic standard of durability.*

- Diameter of 6-5/8 inches
- Competitive 12-gauge pipe and tower joints
- Zimmatic's 9500P pipeline can be used in place of the 8500P pipe, for machine flexibility and ease of service
- High tensile strength steel provides longevity

Full Flow Collector Ring



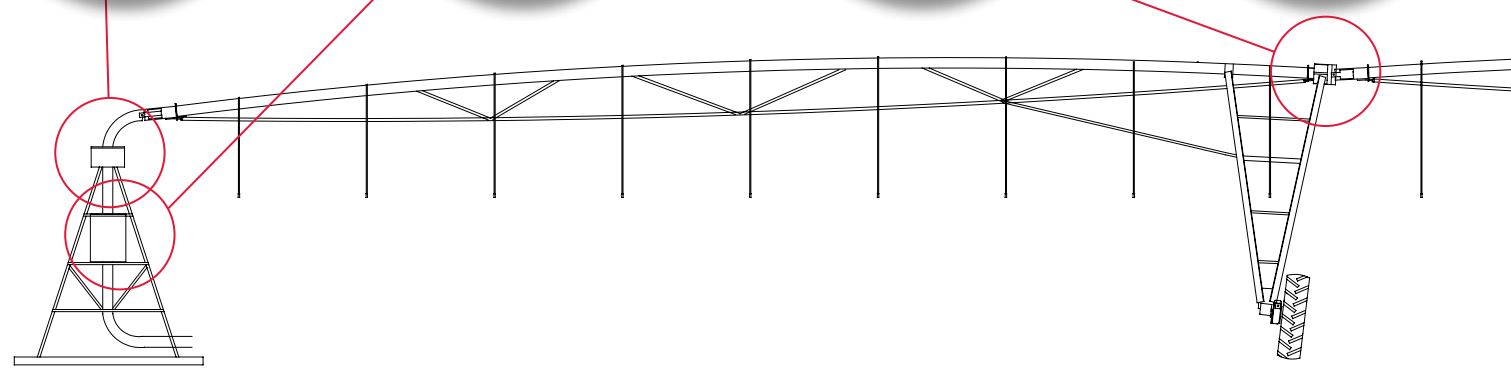
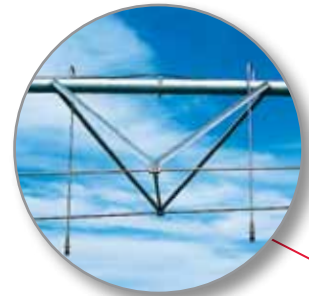
Easy to Use GrowSmart Control



Flexible Uni-Knuckle Span Connector



Optimized Span Design

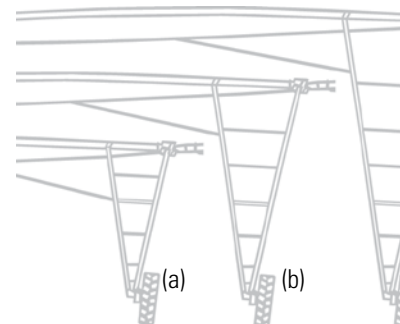


The 8500PL incorporates a 9500 pivoting lateral cart with 8500P spans for a low-cost, introductory level lateral move system.



### Optional Tower Heights

With the value of 8500P, you get all the options you'd want from top-of-the-line systems. Choose the tower height that's right for your crops: Low, Standard (a), Medium-clearance (b) or High-clearance (c).



# gth through technology

omponents. If you're looking for a quality, economical solution for irrigating your fields, the 8500P delivers.

## DRIVELINE

*With a standard 43 RPM center drive motor, the 8500P driveline matches Zimmatic 9500P's standard rotation – the fastest rotation speed of any center drive available.*

- Center drive motor uses Zimmatic's proven triple reduction spur gear technology – it's the same high-efficiency drive you know and trust
  - High strength 12-gauge steel drive tubes
  - All tracking solutions are available, including all tire and rim combinations, and the Trax drive system
- Rugged AT Gearbox
    - The industry's largest expansion chamber
    - Includes a register on the output flange for additional wheel support, as well as an externally gusseted bell-housing for increased strength
    - Shorter output shaft than the competition, eliminates high overhang load on bearings

## CONTROLS

*Team your 8500P with Growsmart® by Lindsay technology for an efficient way to control water application in your fields.*

8500P works with:

- FieldBOSS Control Panel
- FieldVISION Control Panel
- FieldBASIC Control Panel
- FieldNET Web-based Wireless Irrigation Management System

*Exclusive Truss Design and Truss Rod Pockets*



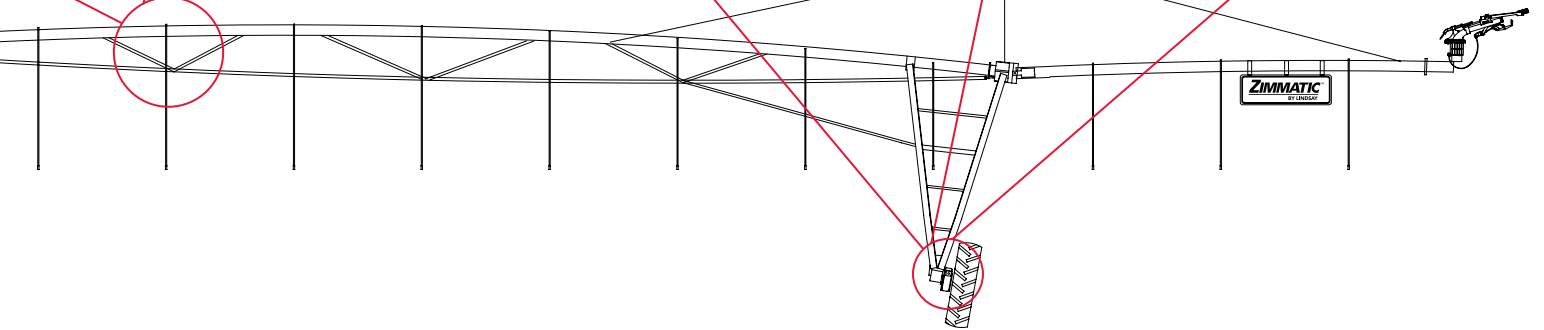
*Rugged AT Gearbox*



*Efficient Center Drive Motor*



*High Strength Steel Drive Tubes*



### **Load-Bearing Compact Pivot Point**

The compact pivot point makes system retrofits possible. The concrete pad is 16 percent smaller to reduce installation costs, and it's compatible with other smaller pad systems.

### **Full Flow Collector Ring**

The collector ring is mounted externally, eliminating water flow restriction – unlike the internal designs on other irrigation systems. The unit is entirely encased in fiberglass and features dual sliding contacts that ensure uninterrupted power.

### **Flexible Uni-Knuckle Span Connector**

The 8500P uses a heavy-duty universal joint, providing stress-free flexibility on slopes up to 30 percent. Components are mounted externally to eliminate flow restriction and allow for simple maintenance.

### **Optimized Span Design**

The aerodynamic look of the span structure tells you this is something different. The strong alloy steel increases strength, decreases weight and maintains the structural integrity of your system.

### **Efficient Center Drive**

Every Zimmatic system is powered by the industry's most durable and efficient driveline. Zimmatic driveline offers the fastest rotation speed of any center drive available.

# How the 8500P measures up

The Zimmatic by Lindsay 8500P features almost all of the advantages of our best system at an economical price. And when you compare it to the competition, the value of the 8500P becomes very apparent.

## Zimmatic Comparison - Specifications

	Zimmatic 9500P	Zimmatic 8500P	Valley® 8000	Valley® 7000	Reinke® Electrogator II™
Pipeline	5 9/16," 6 5/8," 8," 8 5/8," 10"	6 5/8"	5," 6," 6 5/8," 8 5/8," 10"	6 5/8"	6," 6 5/8," 8 5/8," 10"
Truss Rod Diameter	3/4," 11/16"	11/16"	3/4" and 11/16"	11/16" and 5/8"	3/4" and 5/8"
Truss Rod Steel Strength	75,000 psi	75,000 psi	50,000 psi	50,000 psi	62,000 psi
Truss Angle Sizes	2" x 2" 3/16" and 1/8"	2" x 2" 1/8"	2" x 2" 3/16"	2" x 2" 1/8"	2.2" x 2" 1/8"
Tower Legs	4" x 3" x 1/4"	4" x 3" x 1/4"	3" x 3" x 1/4"	3" x 3" x 3/16"	5/32" Rolled Steel

## Center Pivot Application Guide

	Zimmatic 9500P	Zimmatic 8500P	Valley® 8000	Valley® 7000
Slope Limitations 157' Span Ridges 0 - 6"	15%	15%	13%	11%
Slope Limitations 179' Span Ridges 0 - 6"	15%	15%	11%	9%
Track Management Options	All Available	All Available	All Available	None Available
Max Machine Length	None	None	None	1500'
Towable	Yes	Yes	Yes	No
Lateral Move	Yes	Yes	Yes	No

*Component strength test results provided by an independent testing facility.*



## An international irrigation leader

Lindsay continues to be a leader in technological innovations – developing systems that increase irrigation efficiency, boost productivity and reduce energy and labor costs. With hundreds of dealers across the world as well as strategically located parts distribution centers, we offer growers immediate certified service, customer training and helpful advice.

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To find out how to save water and energy while achieving higher yields with the 8500P center pivot, visit [www.zimmatic.com](http://www.zimmatic.com) or talk to your local Zimmatic® by Lindsay dealer.



### THE LINDSAY ADVANTAGE

STRONG • LONG LASTING • DURABLE • RUGGED • EASY TO USE •  
PLUG-AND-PLAY FAMILY OF ADD-ONS



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**Lean, Clean and Green.** Lindsay Corporation is committed to developing environmental awareness and implementing sustainable practices to reduce the use of and protect energy, water, and all other resources.



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