

# Irrigabras Irrigation Systems

## Center Pivot





# Simplicity that resists over time!

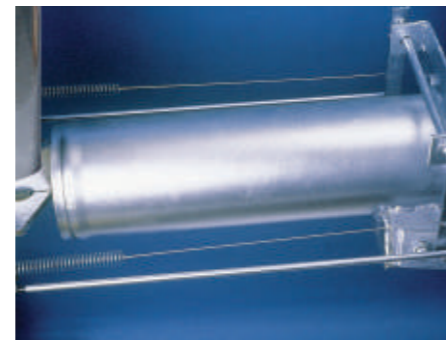
Since 1985, the Irrigabras Center Pivot has been recognized for its efficiency in hilly terrain. Its metallic structures are made of light and high-strength materials, which provide more robustness and durability and a lower maintenance cost.



## Pivot Center

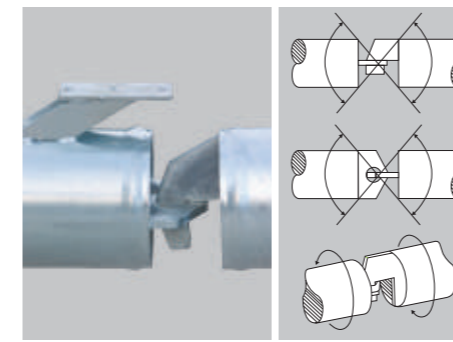
Rotating elbow mounted on a sturdy frame made from high-strength materials, with a flexible joint that adapts to the slope of the terrain.

The stainless steel wear sleeve, corrosion resistant, lets the riser pipe rotate smoothly and makes the seal more efficient and durable.



## Alignment System

The unique system with bow and double tie rod centered on the pipeline axis provides greater accuracy in aligning the towers, and facilitate adjustments.



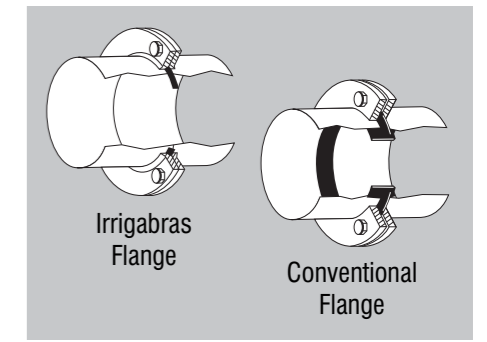
## Flexible Joint

The coupling between spans with internal joint and flexible hose, placed in the center of the pipeline, allows side to side, up and down and rotational movements, with reduced effects on the structure and hose longevity. No other system is so efficient in hilly terrain.



## Tower Legs

The proven performance of the single-leg tower, made of 6 "U-beam, fastened by 4 bolts to a sturdy support welded to the pipe, provides the tower greater strength compared to other systems using a single bolt and a structural shape made from steel angles of thin thickness.



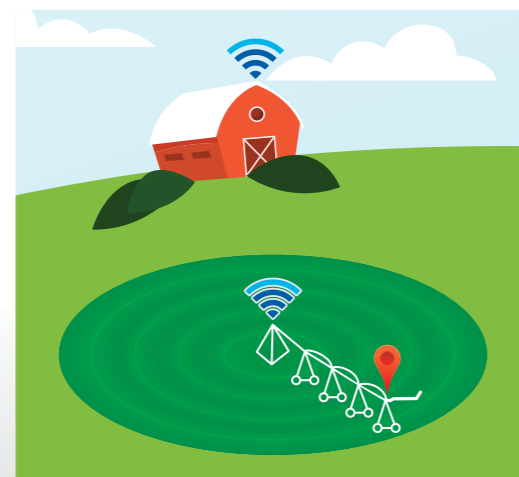
## Flanges

The unique flange construction process makes for metal-to-metal contact at the pipe joints, enclosing the V-ring seal in a metal chamber, preventing it from damages and leaking. This provides greater rigidity to the structure, better alignment of the pipeline and less obstructions to the water flow.



## Main Panel

The Standard Panel controls the basic operations of the pivot.



## Remote control

Internet system with digital panel and radio-communication module that allows remote control and monitoring, including by a smartphone.



## Collector Reel

The efficient contact between the rings and the brushes results in precision functioning and low maintenance operation.



## Stiffeners

The stiffeners evenly distribute the pipeline load to the bottom of the tower.



## "V" Shaped Trusses

The greater number of "V" shaped trusses per span provides more strength, stability and durability to the structure.



## Truss Rod

A single type of truss rod for all the equipment, made from high strength steel.

## Central Automation Ring

Automatic control for opening and closing the end gun, stopping and reversal of the direction of travel.



# Towable Pivot

The solution for irrigating two or more fields with a single equipment.  
 This is a practical, efficient, versatile system, allowing the irrigation of rectangular fields (irrigation in strips).  
 The ability to irrigate several fields significantly reduces the cost of investment per irrigated area.  
 It is also a great solution for replacing hand-move and hose-reel irrigation systems, with the advantage of reducing labor and energy costs, increasing the irrigation efficiency.



### 2-wheeled Center

For pivots up to 4 spans, in flat land.  
 Permits towing by the center and by the end tower.



### 4-wheeled Center

24" rim wheels with swivel brackets.  
 For equipment up to 9 spans.

# How towing works

The preparation is fairly quick. Simply disengage the drive shaft, lift the tower's wheels one by one with the aid of the jack.  
 Then remove the pin from the support for the wheel reduction unit, rotate the wheel through 90 degrees and place the pin in the towing position.  
 Then unlock the reduction unit and release the free wheel for towing.



Tower in towing position by the end tower (2 wheels)



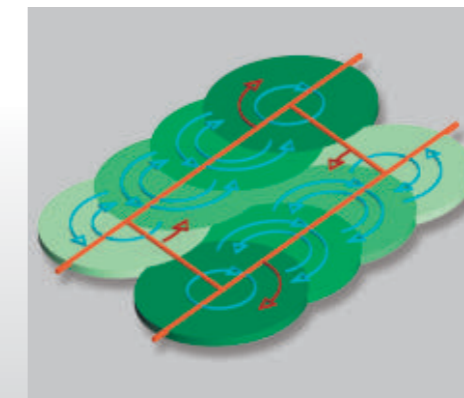
Tower in towing position



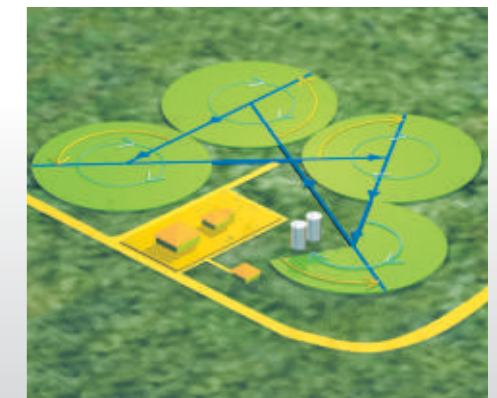
Tower in irrigation position



Irrigation in strips



Irrigation in circles





# Application of water

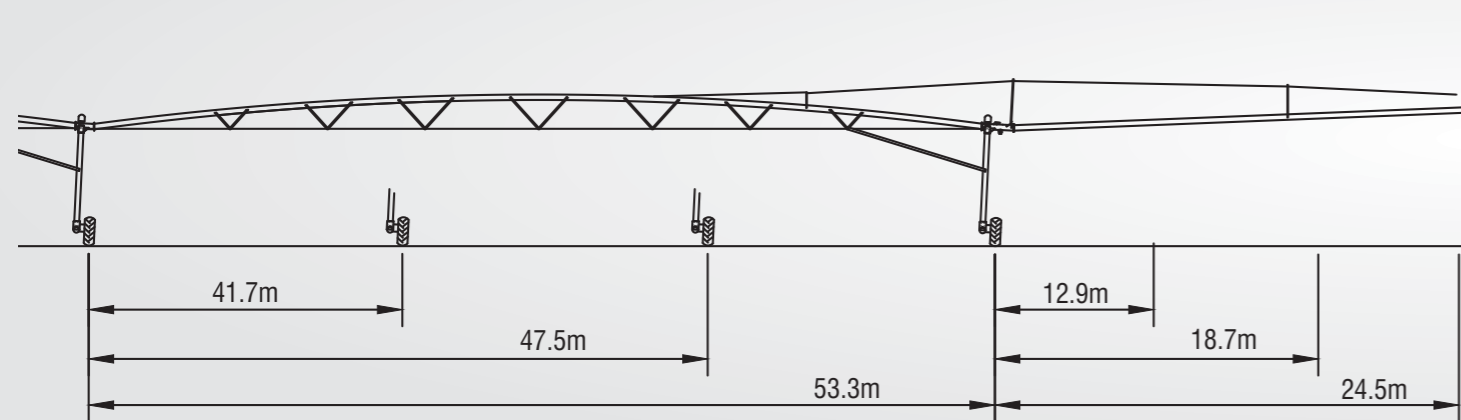
The efficiency and uniformity of water distribution are very important issues for the good irrigation results. Irrigabras offers a complete line of sprinklers, sprays and pressure regulators suited to each type of soil and crop.



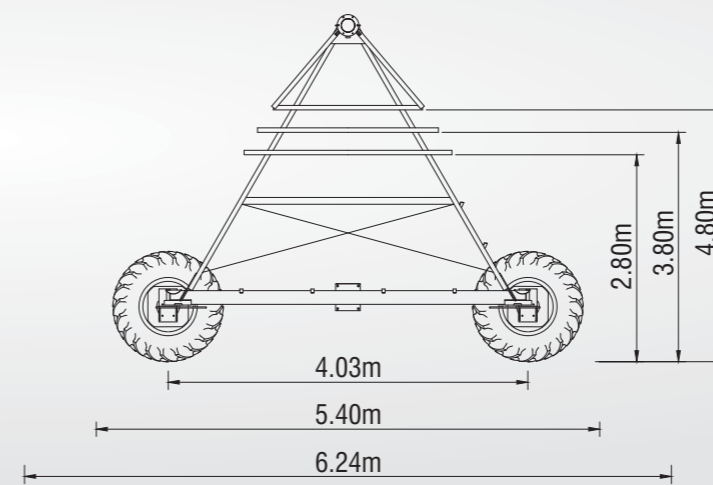
# Dimensions

Span length

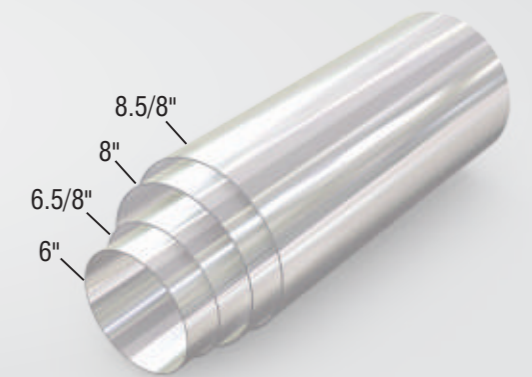
Overhang length



Clearence and Wheelbase



Pipe diameter



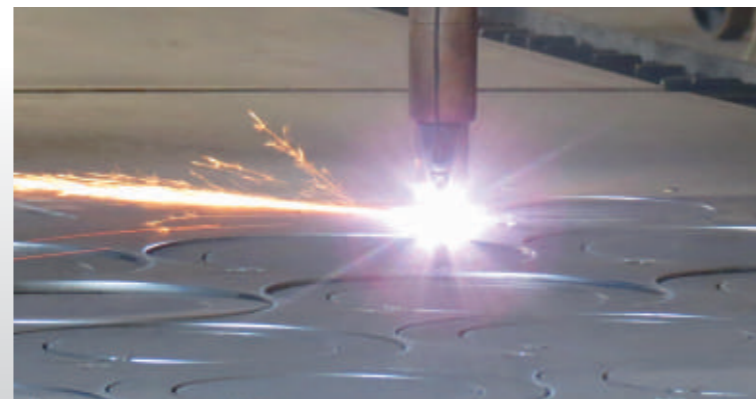
# High precision technology

In its manufacturing process Irrigabras uses state-of-the-art systems and machines that provide greater reliability and precision in its irrigation systems.

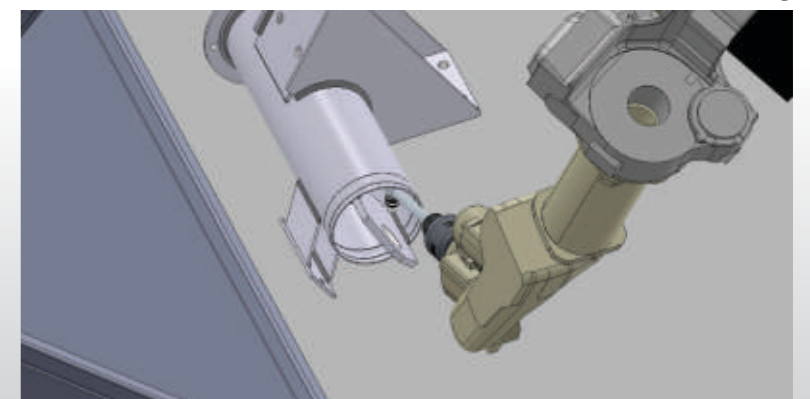
CNC pipe-cutting machine



CNC sheet-cutting machine



Robotized welding





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