



There's a reason we're on top.

## Pioneer Rack 'n Pinion®



The Pioneer Rack 'n Pinion® is the **waste industry's go-to tarping system** for one reason - it has **over a decade of proven reliable performance** under the most punishing applications. That's why top national haulers trust their fleets to Pioneer. Because we're so confident in the Rack 'n Pinion's performance, we've backed it with an **industry leading 5-year warranty\*** that cheap look-alike systems can't match.

Imitation may be the sincerest form of flattery, but don't risk your fleet's uptime with poorly designed knock-off tarping systems with no track record of performance. **Trust the original Pioneer Rack 'n Pinion** tarping system for worry-free performance year in and year out.

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# Rack 'n Pinion®

## Models

### RP4500SAR

- Fixed gantry
- Covers containers up to 24' in length



### RP4500SARG

- Telescopic gantry
- Covers containers up to 24' in length



### RP4500SATR

- Designed for trailers
- Telescopic gantry
- Covers containers up to 32' in length



# Rack 'n Pinion®

## Rugged design

The Rack 'n Pinion® pivot design provides consistently precise tarp movement. With tough, hydraulically powered steel arms, the Rack 'n Pinion is the only choice for tough waste hauling jobs.

### Durable mounting arm channel



Mounting arm channels reinforce the flex area, preventing cracking.

### Worry-free rack gear weldment



Rack gear weldment eliminates the need for a rack gear cylinder strap and reduces maintenance. A 3/8" self-lubricating polymer bearing is designed to last the life of the arm, but can be easily replaced if needed.

### Reinforced pivot point protects tarp arms



Double-wall tombstone pivot point mounting hole is 1/2" thick, keeping tarp arms securely on the rear of the container without bouncing, reducing the potential for costly damage.



### Strong arms provide longer service life

Arms are 3/16 A500B steel with 1/4" extended, reinforced "C" channel. Telescoping arms have 36" stroke and nitrided rod cylinders, reducing corrosion.

## Ease of maintenance

### Stabilizer bar

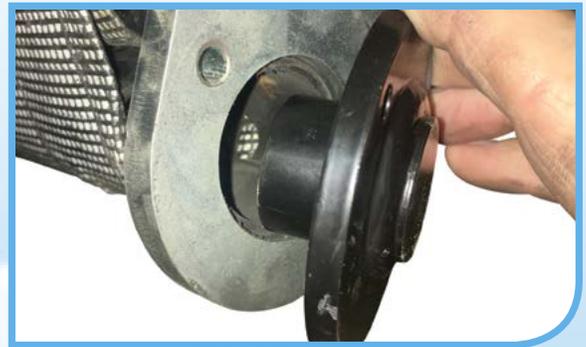
Offset stabilizer bar virtually eliminates roller damage with redesigned stabilizer bar with reinforced mounting bracket and enhanced tarp anchor tube retention system are designed to withstand constant abuse while eliminating premature failures or breakage.



### Tarp roller shaft bushing

Spring loaded Everlast roller assembly with increased inside diameter of the roller shaft bushing allows for easier preloading and prevents the tarp from seizing. Reduces maintenance and downtime due to repair or replacement.

### Tarp anchor tube enhances safety



Tarp anchor tube cap with inner shaft extension enhances safety by preventing the tarp anchor tube from pulling out of the roll rest.

### Quick tarp attachment



Durable, professionally threaded bolt takes the guesswork out of attaching the tarp.

## Swivel hose clamp



Hydraulic hoses easily snap into the slotted, pivoting hose holder for easy replacement. Nylon zip ties provide added security.

## Cylinders mounted externally



Cylinders mounted externally for maximum accessibility and maintenance

## Cylinders mounted externally



Upper extension arm makes it easier to preload the spring roller and minimize the potential for the tarp roller shaft to seize in the arm bushing



Heavy duty mesh tarp is standard



## Clear, permanent model identification



Riveted-style serial number plate allows for permanent identification of a unit

## Trash brush



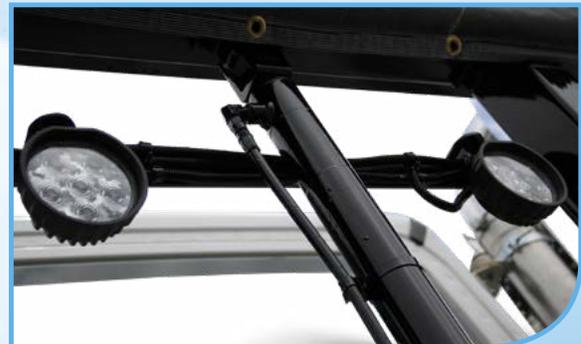
Optional trash brush closes the gap between stabilizer bar and tarp roller.

## Hydraulic flow divider valve



Hydraulic flow divider valve works on all hoist systems. It has a standard aluminum body rated at 3,800 psi and provides flows up to 50 gpm with full relief valve protection.

## Gantry



Gantry comes standard with light mounting brackets and a tube to run electrical wiring through for the lights.



**Parts available online at  
[www.pioneercoverall.com/parts](http://www.pioneercoverall.com/parts)**





[pioneersales@wastequip.com](mailto:pioneersales@wastequip.com)  
[www.pioneercoverall.com](http://www.pioneercoverall.com)



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PIN001-022018