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# ***LANDY RAKE***

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## **Trash Rake Solutions**

**The leading supplier of raw water intake screens, trash rakes and on-site service for over 50 years.**



# PROVEN AND EFFICIENT TRASH RAKE SOLUTIONS

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Atlas-SSI designs, manufactures, installs and maintains Landy trash rake systems for municipal and industrial facilities throughout North America. Our extensive knowledge and experience result in dependable and efficient systems that operate under the toughest conditions.

Cleaning efficiency is at the heart of the Atlas-SSI Landy trash rake design. The tines of the grab are constructed to fall between the bars of a screen during operation. As the grab descends to the bottom, it removes debris from the bars then closes hydraulically and hoists the debris up. The grab then runs along an overhead monorail track to a debris dump area. The overhead track system provides design flexibility to meet challenging and site-specific requirements.

Atlas-SSI Landy trash rakes are custom engineered for each project and the components are available in coated carbon steel, hot dipped galvanized, and 304 or 316 stainless steel.

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## TYPICAL APPLICATIONS

- Power Plants
- Hydroelectric Plants
- General Manufacturing
- Potable Water Treatment
- Flood Plain Management
- Storm Water Management







## UNMATCHED PRODUCTS AND SERVICE

- Effectively removes debris and large obstacles (trees, roots, tires, mattresses)
- Screen cleans from the top to the bottom to maximize debris removal
- Carries debris directly to a dumpster – no conveyors are required
- No submerged parts results in simplified maintenance
- Operation in manual or fully automated PLC modes
- Ideal for new or retrofit installations
- Monorail track can be equipped with curves for site-specific requirements
- Small system footprint

### FULLY AUTOMATED CONTROL

Atlas-SSI Landy trash rakes can be designed for fully automated operation utilizing our SmartScreen® Technology. The control package can include ultrasonic differential level indicators, automatic timers and local, manual override. Optional remote monitoring enables operators to monitor cleaning system performance via a remote workstation or a smart phone.

ATLAS-SSI offers installation, service, inspections, maintenance contracts and emergency field repair services performed by factory-trained technicians.

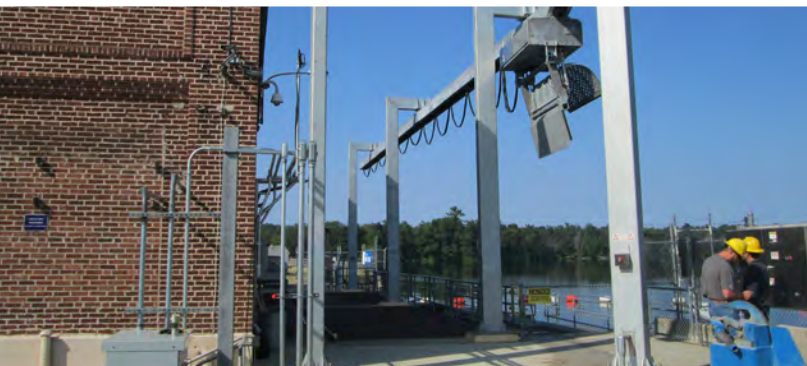
### TECHNICAL SPECIFICATIONS

FEATURE	MODEL R66	MODEL R71	MODEL R03	MODEL R74
Working depth	33' – 130'	33' – 98'	25' – 33'	25' – 33'
Tooth spacing	0.75" – 6"	0.75" – 6"	0.75" – 6"	0.75" – 6"
Gripper width	6'1" – 9'10"	3'3" – 4'7"	3'3" – 4'7"	3'3" – 4'7"
Gripper weight	1,390 lb – 2,200 lb	950 lb – 1,100 lb	640 lb – 730 lb	640 lb – 730 lb
Debris load	790 lb – 3,000 lb	600 lb – 1,480 lb	460 lb	460 lb
Travelling speed	98 ft/min – 197 ft/min	98 ft/min – 197 ft/min	66 ft/min – 98 ft/min	–
Pivoting speed	–	–	–	0.38 RPM
Pivoting angle	–	–	–	180°
Hoist speed	62 ft/min – 98 ft/min	49 ft/min – 79 ft/min	49 ft/min	49 ft/min
Hoisting motor	7.4 HP – 10 HP	4 HP – 5.4 HP	2 HP	2 HP
Travelling motor	1 HP – 1.5 HP	0.5 HP – 1 HP	0.5 HP – 1 HP	–
Pivoting motor	–	–	–	0.1 HP
Hydraulic motor	2 HP	1 HP	0.74 HP	0.74 HP

\*Ask about our SE model for features outside of the above standards.

# HUNDREDS OF MUNICIPAL AND INDUSTRIAL INSTALLATIONS

Atlas-SSI has a longstanding partnership with Landustrie Sneek BV to design, install and maintain trash rake solutions in North America, leveraging the experience of over 800 systems in 60 countries around the world.



## SAFETY DEFINES OUR CULTURE

We are proud to be a trusted extension of our clients' in-house engineering and maintenance teams. As the most experienced water intake system provider in North America, we operate with an uncompromising commitment to health and safety at our facilities and on the jobsite. Safety starts with our leadership team and touches every employee through daily hazard assessments, safety training and ensuring that all essential industry safety certifications are in place.

**We are here to help. Contact us today.**  
**ATLAS-SSI.COM | +1 877.654.3900**



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