

TRANSLAND NEWSLETTER

FALL 2023

WWW.TRANSLANDLLC.COM

WWW.SATLOC.COM

WWW.CPNOZZLES.COM



1206 Hatton Rd. Suite A

Wichita Falls, TX 76302

TRANSLAND

A LEGACY OF QUALITY

3 *Transland* Product Benefits

1 Dependable since
the 1940s

2 Made in America
with American parts

3 Makes dispersal
jobs easier for aerial
applicators

Spray Valves & Pumps

✦ New Valves & Pumps or Rebuild Kits Available ✦

With the upcoming off-season,
it's important to do maintenance
on your aircraft's dispersal parts.
Don't be caught on the ground
next season!



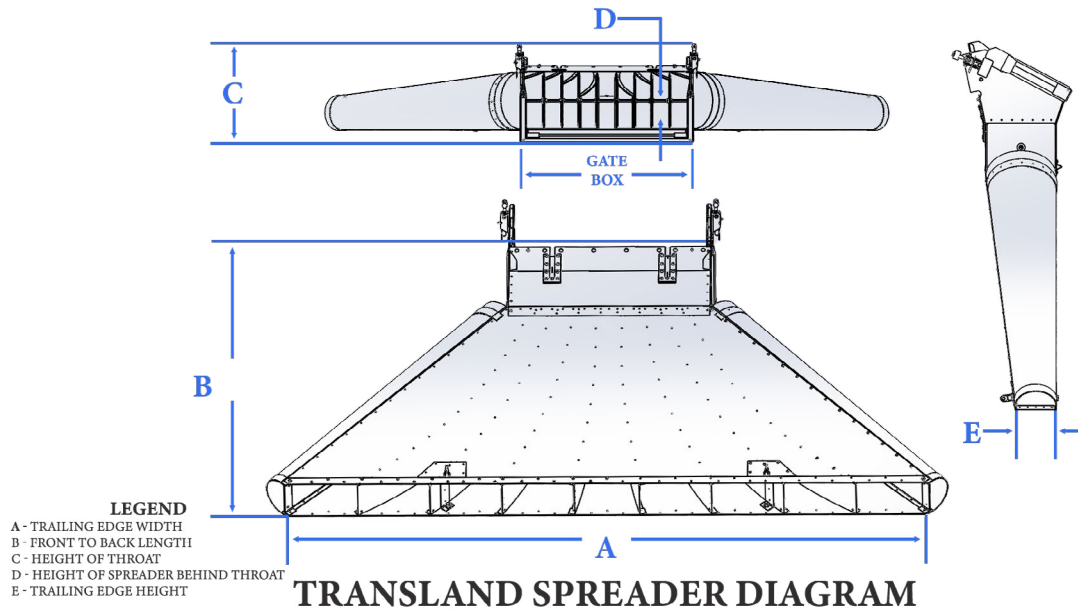
Remember, it's always wise to keep a spare ready during the season.

DISPERSING QUALITY

DISPERSING QUALITY

SPREADERS

Transland's history of spreader manufacturing dates back to the early 1950s. Since 1965, stainless steel has become the predominant material for all their spreaders. As aircraft speeds have increased, the thickness of stainless steel sheeting for skins and vanes has also evolved from .020 to .032. Below are charts illustrating the dimensions of the spreaders offered by Transland.



Spreader Charts

Please reference the letters in the above images. All measurements are in inches.

8 Vane Spreaders

Gate Size	PN	Door Size	A	B	C	D	E	WT.	Comments
25	20160	5	80.5	45	15.5	8.75	5	90	Most commonly used spreader on Cessna, Stearman, & Ag-Cat
25*	22360	5	92.5	57.5	13	6	4	122	Only spreader for Brave; jointly designed by Transland & Piper
38	22358	5	92.5	46	16.75	9.25	6.75	144	Most widely used 8-vane spreader on Air Tractor (foam filled)
38*	22008	5	100	45	17.25	10.5	6.4	130	Deep throat spreader for high volume on Air Tractor
41	20250	5	100	45	15.5	8.75	6.5	125	Mostly used on Thrush and M18
41	22007	5	100	45	17.25	10.5	6.4	130	Deep throat spreader for high volume on Thrush and M18

10 Vane Spreaders

Gate Size	PN	Door Size	A	B	C	D	E	WT.	Comments
38	23538	5	157	54	15	8	6.5	200	Deep throat spreader for 5" gate on Air Tractor
38	23502	5	157	54	13.5	7	4.5	180	Most popular 10-vane spreader on Air Tractor
38	23537	10	157	54	19.5	8.5	6.5	200	10-Vane for 10" firegate on Air Tractor
38	23547	7.5	157	54	19.5	8.5	6.5	200	10-Vane for 7 1/2" gate
38	24502	5	157	54	13.5	7	4.5	180	Planes with a Garrett engine, counter-clockwise, on Air Tractor
41	23501	5	157	54	13.5	7	4.5	180	Original 10-Vane spreader designed for Thrush & M18
41	23506	7.5	157	54	15	8	6.5	180	10-Vane deep throat spreader on Thrush
41	23533	10	157	54	19.5	8.5	6.4	200	Use with 10" firegate on Thrush
41	23541	5	157	54	13.5	7	4.5	180	Use with 5" gate on a Garrett engine on Thrush
41	23633	10	157	54	19.5	8.5	6.4	200	Use with 10" firegate on Thrush, Garrett engine

*These are not stock items; please call for price and availability.

New Aerial Nozzle Catalog

Click the Resource tab on www.CPNozzles.com to view the new nozzle catalog!

Catalog Includes:

- Quick comparison chart of all the Transland nozzle lines
- Information about CP Nozzles, Accu-Flo Nozzles, and Hi-Tek Nozzle
- Charts
- Installation & maintenance tips
- Exploded views
- Helpful tips
- Basic Aircraft Setup Guidelines

OUR NEW AERIAL NOZZLE CATALOG
CONTAINS MAINTENANCE TIPS FOR
CP NOZZLES & ACCU-FLO NOZZLES!



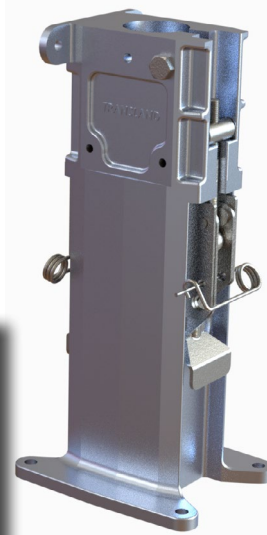
PUMP MOUNTS



The **Transland pump mount** offers a rapid disconnect system that enables swift equipment changeovers and facilitates efficient inspections and repairs. The lower strut component securely fastens to the pump, while the upper strut component is permanently bolted to the aircraft. Connecting the lower and upper strut components are two over-center latches. When it's necessary to detach the plumbing system for the application of dry materials, simply open the over-center latches, making the pump easily removable from the aircraft.

Product Benefits

- Quick equipment changeovers
- Minimal downtime
- Ease of maintenance



STRAINERS

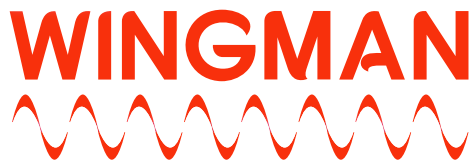
IMPROVED EFFICIENCY

The efficiency of the entire spray system depends upon the strainer. Transland quality gives its strainers excellent filtration. The over-center latches give the operator exactly what he needs — easy access to screens for inspection, cleaning, and replacement. The latch design also eliminates accidental opening even if force is applied. Transland offers several types and sizes of strainers and replacement screens.

**ALL STRAINERS COME
WITH A 3" QD (PN 41052)**



IT'S ELECTRIC!!!



What was the initial field-testing problem with the electric Wingman?

The initial electric wingman had an issue causing premature auger motor failure. We made several improvements to the controller to fix the problem.

- We completely rebuilt the controller.
- The redesign added a master cut-off relay for safety and emergency cut-off.
- The redesign changed the forward and reversing contactor relays for greater current capacity.
- The redesign added current limiting to shut off the auger motor at a reasonable current level.
- The redesigned controller has a temperature shut-off, which cuts off at 75 degrees Celsius to prevent damaging the motor.
- We redesigned and swapped out the motor for a motor with higher torque but lower running amps.
- Additionally, we added moisture detection to the Auger motor containment to address a potential undetectable leak into the containment.



Product Benefits

- 60% higher torque in the electric Wingman over the current Wingman design.
- Designed for the operator to reload faster and safer
- With a flip of a switch, operators can actuate the hopper door and start the auger all from the cockpit
- The auger can go forward and reverse so you can push and pull the product in the hopper



***Less Time + Less Fuel
+ Less Energy
+ Less Labor Costs
= MORE PROFITS***

Need to locate resources for Satloc products? Visit our "Resources" page at www.Satloc.com to find:

- Product Catalog
- User Manuals
- Install Manuals
- Falcon Simulator
- How-To Video links for Satloc's MapStar, Falcon, and Cloud!

SATLOC® FALCON/FALCON PRO

Jobs Are Everything in Satloc Falcon!

In the Falcon system, all your data is contained in a Job. This means that all that data is contained in the Job no matter what day you applied, how many patterns you used during an application, or how many times or even days you returned to apply.

Jobs can be created in real-time. Additionally, Jobs can be made from a polygon(s) or prescription maps and then loaded into the Falcon through USB or the Cloud. They all behave the same.

A Job and all the related paint and swathing data are opened on the Falcon by 1) loading the Job (through the menu or a Hotkey) or 2) by returning to a Mark (created while that Job was previously open).

If the user creates a new job on the Falcon, a default job name is suggested with the Falcon's serial number, date of application, and daily job counter as the job name. The user could instead name the Job something meaningful: "Farmer Brown Field." The job name would be followed by the date and the log counter.

BENEFITS OF ALL DATA CONTAINED IN JOBS

01

Pilots do not need to remember all the logs that make a whole application together.

02

All paint and swathing data is loaded each time a Job is loaded.

03

All Job data is exported as one log file from the Falcon. Within the Satloc Cloud, all Job data has a common log name for a group export. Any export can then be loaded in MapStar or other programs.

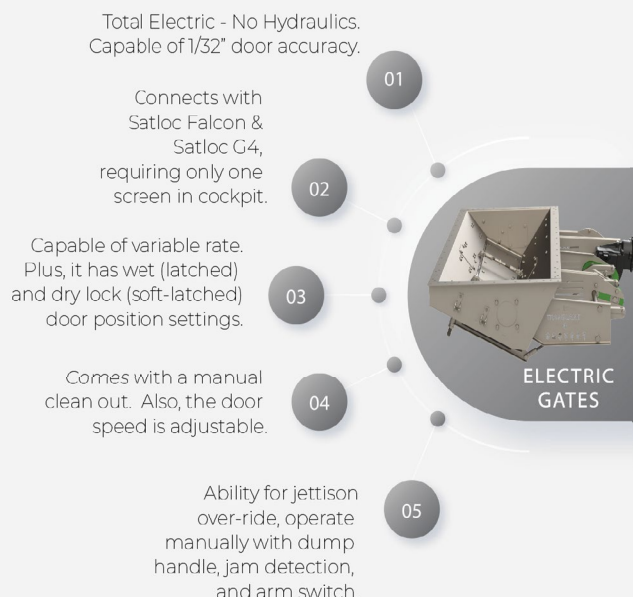
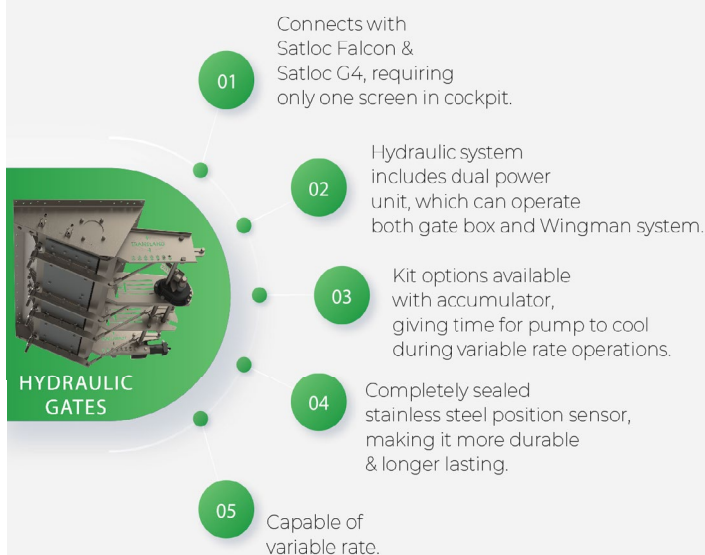
04

The Falcon contains all swathing data (pattern, swath number, A-B Line, etc.) within the Job even when a Mark is not set. So, any swathing can be restored as active to continue.

TRANSLAND GATE BOXES

COMPARE THE BENEFITS OF OUR HYDRAULIC & ELECTRIC GATE BOXES

Available in 5" and 7 1/2" Gate Boxes.
Conversion kits for hydraulic and electric models.



EMPLOYEE SPOTLIGHT



Sitting in a room and listening to Lucious and Randy feels like sitting on a front porch swing with a cold glass of lemonade on a warm Texas evening — refreshing and heart-warming. Self-described as “best-of-friends,” these two men started their friendship in 1979, ever since, going through life’s ups and downs together.

Full of wisdom, each man praised the other and not himself, which is rare to hear. “When Lucious does something,” stated Randy, “it is perfect. No flaws.” Without a second’s pause, Lucious looked at Randy and said, “I learned from the best.”

“Randy is someone I can depend upon,” shared Lucious. “I love to watch him with his grandkids. Those kids can depend on their Papa, and they think the world of him.”

“Lucious is very involved in the community,” said Randy. “He volunteers for Meals on Wheels, does work around his church, and has coached boys in basketball for a long time. He’s a good Christian man. What I like more than him coaching the boys in basketball is how Lucious also teaches them about life.”

About three years older than Lucious, Randy went to welder’s training during his Junior and Senior years of high school. He started to work as a welder the Monday after he graduated high school. A few years later, Lucious began working at the same company. When Lucious looked at Randy’s work, he instantly wanted to build things with the same quality.

Over a decade ago, Randy and Lucious came to work at Transland. They weld airplane steps, gate boxes, fire gate boxes, spreaders, adaptors, booms, specialty booms, and more. The shop manager stated, “Our shop guys go to Randy and Lucious for answers on how to build products when they get stumped.”

When asked about sharing how they work and what advice they’d give to the next generation, Lucious and Randy shared a lot. For over 45 years, they’ve bounced problems and solutions off each other. “We also try to bring our co-workers around to doing this,” said Lucious. “We’re quality conscious people,” stated Randy. “If it ain’t right, we don’t want to send it out the door. Quality is a commitment. Work hard. Stay committed to the job. Try to put out the best product you can.”

Lucious’s advice to young people, whether entering the field of welding or something else, is, “It’s not where you start. It’s where you go with it. Be willing to learn. Learn about what you’re doing. Try to apply what you learn. If you do go into welding, remember, TIG welding is not something you learn in one day. And don’t ever say, ‘I’m the best.’ There is always someone who will be better than you. Try to be one of the best.”

After leaving the conversation with Lucious and Randy, it’s quite certain these men are a living example of Proverbs 27:17, “As iron sharpens iron, so one person sharpens another.”