ETHE FOR BOSS THE ULTIMATE AIR FIELD SWEEPER Amplify Your Sweeping Success

An In-depth Look At The FOD*BOSS Duplex and Triplex Configurations

DON'T TRUST ANYTHING ELSE!





About Aerosweep

Our founding company Aero-Tech Pty Ltd invented the **FOD*BOSS** in 1994, but its history of developing speed sweeping solutions goes back more than 30 years.

In 2002, it won the Aviation Safety Foundation of Australia's certificate of air safety award for this innovative product.

The company's product has been adapted for use across a range of industries and has undergone a continuous improvement process that spans 30 years.

This is an eBooks which take a deeper look into how sweeping success with a FOD*BOSS can be amplified to reduce time sweeping even further, without losing effectiveness and accuracy.



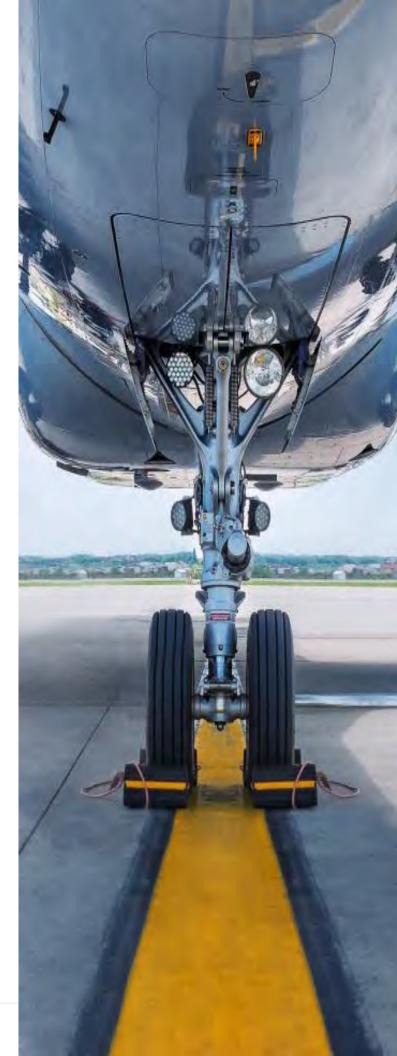


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INTRODUCTION

When we first developed our FOD*BOSS Ultimate in 1994, it helped change aviation tarmac cleaning forever and has been protecting every major Air Force, Airport and Airline ever since. An integral part of the FOD*BOSS and its success as the world's safest and most-effective airfield sweeper are four exclusive critical safety design features. However, to amplify the effect of these for greater sweeping efficiency, we developed the ability to use two and three sweepers at the same time, and we think that's kind of special.

If you have ever looked closely at the **FOD*BOSS**, you may have noticed that a very specific design has been used and this is for very good reasons.

Before we get into these reasons (and why we applied for patents to protect the final design), let's review why being able to sweep with multiple sweepers at the same time may be important to your FOD sweeping success and what you should be looking for.





Why Is Design Important?

When you purchase either a Duplex Triplex configuration from or believe in Aerosweep, we the importance of ensuring your final fully integrates setup the GroundForce™ Tow Hitch so you are not sacrificing anything while also expanding your sweep area. While some may see the doubling or trebling of the sweeper mats as a simple connection between each friction sweeper and the towing vehicle, others may argue that unless the system has been designed. tested, and proven to keep each of the friction sweepers in line and on ground, in all operating the conditions, then the best result cannot be expected. We firmly sit in the latter camp of thought.

In the following pages, we detail each system available and describe the benefits of each. Finally, the design of our system is proven to reliably and efficiently pick up **all** foreign object debris (FOD) it passes over. After all, this is the primary and indeed the sole function of the product. FOD is potentially a devastating result of normal airfield and racetrack operations, and airfield staff are constantly on the lookout for it as well as the standard routine FOD sweeping processes that are generally mandated by government bodies responsible for licencing airports etc.

With our Duplex and Triplex systems, now you can amplify your sweeping successes and save even more time while also maintaining flexibility.







THE DUPLEX CONFIGURATION

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The Perfect Partner For Improving FOD Sweeping Times

The Duplex System comes in two different configurations, the Duplex Bar and the Duplex Trailer.

Duplex Bar System (FB2400-57DPX).

The Duplex Bar System is a simple bar that allows two **FOD*BOSS Ultimate** sweepers to be connected side-by-side as below:



Each sweeper still uses the GroundForce™ Tow Hitch to ensure optimal sweeping. The GroundForce Tow Hitch has been expertly calibrated to provide the appropriate amount of down force to keep the sweeper on the around and delivering its unrivalled pick-up rate.

For use with a standard 2 inch or 50 mm tow ball connection point, the Duplex Bar system is comprised of:

• Two **FOD*BOSS Ultimate** Airfield Sweepers.

- Two GroundForce Tow Hitches.
- The Duplex Bar.
- The Duplex Tow Ball Adapter.

The key component to the Duplex Bar System is the bar itself (FB2400-57) picture below:



The bar requires an adaptor to enable connection to the vehicles towing point:



FB2400-99 2 inch | 50 mm Tow Ball



The GroundForce Tow Hitch of each sweeper attaches to the tubular uprights at each end of the Duplex Bar. The Duplex bar dimensions have been perfectly calibrated to ensure no gaps appear in between the sweepers and ensure complete coverage of the 16 ft | 4.88 m sweep width.

The Duplex Bar System Use With Pintle Hooks

If you use a pintle hook as your vehicle's towing point, then you will require our patented Pintle Hook Adaptor as well as our Duplex Pintle Hook Adaptor:





FB2400-67 Pintle Hook Adaptor

FB2400-78 Duplex Pintle Hook Adaptor

The -78 adaptor vertical tubing slides over the vertical tubing of the -67 adaptor. They are then secured to each other using a pin.



Duplex Trailer System (FB2400-57DPX).

The Duplex Trailer System uses a trailer setup that allows two **FOD*BOSS Ultimate** sweepers to be connected side-by-side as below:



The Duplex Trailer has two wheels which support a horizontal bar that each FOD*BOSS Ultimate attaches to via their GroundForce Tow Hitch.

The Duplex Trailer system is comprised of:

- Two FOD*BOSS Ultimate Airfield Sweepers.
- Two GroundForce Tow Hitches.
- The Duplex Trailer.

The system includes an adaptor to connect with a 2 inch | 50 mm tow ball (FB2400-102).



THE TRIPLEX CONFIGURATION

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Amplify Your FOD Sweeping Times Even Further

The Triplex System comes in trailer format only, and is the system of choice when you have larger areas to be swept such as your runway and taxiways.

Triplex Trailer System (FB2400-82TPX).

The Triplex Bar System is a trailer system that has been expertly calibrated to allow three **FOD*BOSS Ultimate** sweepers to be connected together to provide a 23 ft | 7.3 m sweeping width.



Each sweeper uses the GroundForce Tow Hitch to ensure optimal sweeping.

For use with a standard 2 inch or 50 mm tow ball connection point, the Duplex Bar system is comprised of:

- Three FOD*BOSS Ultimate Airfield Sweepers.
- Three GroundForce Tow Hitches.
- The Triplex Trailer.
- The Duplex Tow Ball Adapter.



The Triplex can be used a range of towing points, including Tugs as well as pintle hooks.







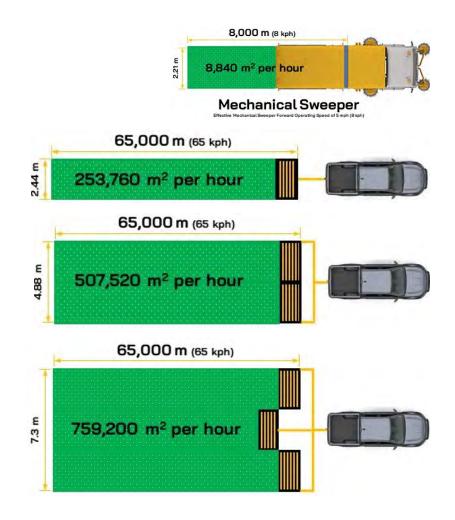
MEASURING SWEEP TIME BENEFITS

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Understanding The Time and Productivity Benefits Of The Duplex And Triplex Systems

By implementing either a Duplex or Triplex system into your FOD sweeping programmes, you can capture the time savings possible, without sacrificing effectiveness, nor flexibility.

The following charts provide an example of what those benefits can look like.



Compare Your Own Airfield Sweep Times





Thank you for your interest in our **FOD*BOSS**[®] Airfield Sweeping System and our multi-sweeper configurations.

To fully understand the productivity benefits of using a multi-sweeper system at your airfield, you can use our <u>sweep time calculator</u> to compare the 3 configurations of the **FOD*BOSS**, using your own runway, taxiway, and apron areas.

Our **FOD*BOSS** friction sweeper changed aviation tarmac cleaning forever in 1994 and has been protecting every major **Air Force**, **Airport** and **Airline** ever since. The **FOD*BOSS Ultimate's** many benefits make it the safest, most effective airfield sweeper, guaranteed.

The FOD*BOSS is fully equipped with our exclusive and unique critical safety features that are the secret behind its unbeatable performance and essential to your successful FOD removal operations.

These are unavailable with any other sweeper.

Don't take our word for it, see what our clients <u>are saying</u> on our <u>website</u> confirming our system is <u>truly exceptional</u>.

Aerosweep believes it is only by ensuring your friction sweeper contains the technology covered in this series of eBooks can you rest assured your sweeping operations are using the safest and most effective airfield sweeper, guaranteed! Now that's kind of special, don't you think?



www.Aerosweep.com

Take me to all the great tips to get the best from my FOD*BOSS



Aerosweep Pty Ltd are dedicated to designing, and developing innovative specialist speed sweeping systems for your specific industry.

We proudly invented the speed friction sweeping system developed through a continuous improvement process over 30 years, to remove debris from airfields using innovative and patented technology.

