

# COMMERCIAL PERFORMANCE. POWER SWEEP SIMPLICITY.



## Sudenga's patent-pending Double Barrel Power Sweep features a wide variety of applications!

- Works in bins 18' to 93' with capacities up to 6,500 BPH.
- Commercial-level performance without a commercial underbin system.
- Lower installation cost than a standard commercial system.
- Proven drag conveyor design delivers strength and longevity.
- Works for new or retrofit installations.
- Fits 13" floors — the only high-capacity sweep that does.
- Zero-entry design improves safety.
- Large sump openings for smooth grain flow.



REQUEST A QUOTE

## *Sudenga* **DOUBLE BARREL** POWER SWEEP

*"The response has been outstanding. This system fills a critical need for high-performance, low-maintenance power sweep bin unloading."*

*—Greg VerSteege, Vice President of Sudenga*

## KEY DESIGN ADVANTAGES

The Double Barrel Power Sweep delivers power sweep convenience with true commercial-level performance, redefining what a bin unloading system can do.

**Low-profile installation** — The Double Barrel Power Sweep installs under floors as low as 13 inches, helping eliminate tunnels, deep foundations, and added construction cost. The compact profile supports both new builds and upgrades across farm and commercial sites.

**High-capacity performance** — With unloading capacities up to 6,500 bushels per hour, the Double Barrel Power Sweep delivers commercial-level throughput for bins ranging from 18 to 93 feet in diameter, making it a high-capacity solution across a wide range of bin sizes.

**Chain-and-paddle durability** — The under-floor chain-and-paddle conveyor design reduces wear compared to traditional screw conveyors. This approach delivers long service life, consistent grain flow, and reduced maintenance over time.

**Broad range of applications** — The Double Barrel Power Sweep was designed to work in a wider range of bin sizes, floor heights, and site conditions than conventional unloading systems.

**True zero-entry operation** — One of the key features is this sweep's zero-entry sweep design! When the bin is full, the sweep automatically lowers itself to the floor, distributing the load evenly. Before operation begins, it raises itself off the floor—no manual adjustment needed. This automation eliminates the need for personnel to enter the bin to position the sweep or shovel before engaging the sweep.

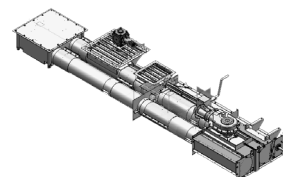
**Auto advance push tractor** — During sweep operation the system includes a mechanical push tractor that monitors the sweep's fill level and controls its advancement. It starts and stops the sweep's movement as needed, again removing the need for someone to be inside the bin to monitor progress.

**External drive and controls** — All motors and controls are located outside the bin, avoiding in-bin wiring and the need for explosion-proof electrical components. This simplifies installation, lowers electrical costs, and improves long-term serviceability.

**Low horsepower requirements** — The Double Barrel Power Sweep moves high volumes of grain while requiring less than half the horsepower of comparable screw conveyor systems, lowering energy consumption and simplifying electrical infrastructure.

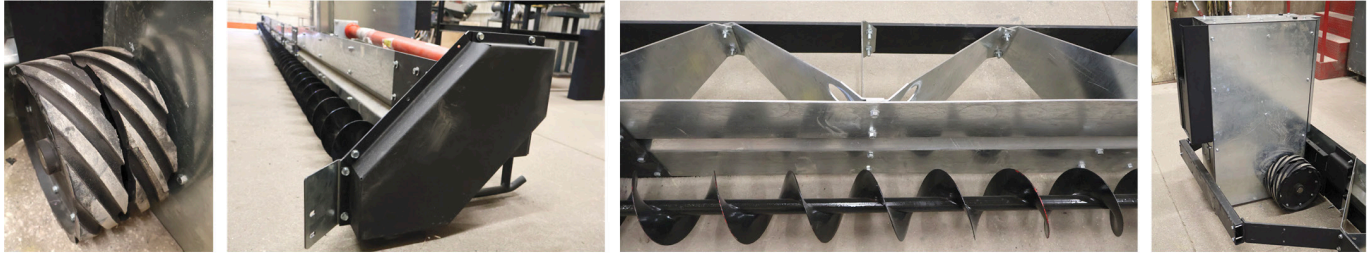
**Compatible with single-phase power** — The system can operate on single-phase power, making it a practical option for rural sites where three-phase power is unavailable or cost-prohibitive.

**Cost effective solution for large bins** — Engineered for bins up to 93 feet in diameter with eave heights up to 100 feet, the Double Barrel Power Sweep delivers power sweep simplicity in large bins while avoiding the tunnels, foundations, and installation costs of under-bin systems.



**AMERICAN-MADE GRAIN, FEED, AND SEED HANDLING SOLUTIONS**

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The Mechanical Auto-Advancing Tractor (MAAT) and tall backshield design used in Sudenga's Double Barrel Power Sweep helps control grain flow and maintain steady sweep movement for consistent unloading in large-diameter bins.

## SWEEP CONFIGURATIONS ENGINEERED FOR YOUR BIN SIZE

Sweep configuration is matched to bin diameter to ensure consistent performance, controlled advancement, and reliable unloading. All three setups are based on sweep solutions already proven through Sudenga's existing line of bin sweeps and unloading systems.

- **Up to 43' 4"**: Low-profile sweep with 11:1 reduction end wheel
- **48' to 49' 6"**: Low-profile sweep with 20:1 reduction end wheel
- **54' to 93'**: Gearbox-driven Mini-D sweep arms paired with a Mechanical Auto Advance Tractor (MAAT) for controlled, automated sweep advancement. The mechanical design delivers the functionality of electronic push tractors without the added cost, wiring, or electronic complexity.



All sweep arms are powered by externally mounted gearboxes, eliminating wiring and electric motors inside the bin. This external drive design simplifies installation, improves long-term serviceability, and keeps all electrical components accessible outside the bin. Mechanical sweep advancement eliminates the need to run electrical wiring to the sweep or tractor.

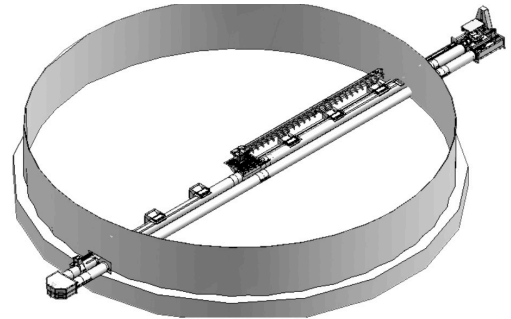
PROVEN SWEEP PERFORMANCE YOU CAN COUNT ON

## TWO UNDERBIN CONFIGURATION OPTIONS

The Double Barrel Power Sweep offers two underbin formats to accommodate different layouts, budgets, and operational preferences.

- **Through-Bin (shown)**: An underbin system that extends across the full diameter of the bin, allowing intermediate sumps and continuous access to the tail.
- **Center-Run**: A compact, cost-effective option that runs to the center of the bin, offering low underbin height, high capacity, and low maintenance.

Both configurations are designed to maintain consistent grain flow from the sweep to the center sump throughout the unloading cycle. Large sump openings promote smooth grain flow and reduce the risk of plugging in difficult grain conditions.



## IDEAL APPLICATIONS

Common applications for the Double Barrel Power Sweep include:

- Large farm grain storage
- Commercial grain facilities
- Dryer bins with 13" floors
- New construction or retrofit projects
- Bins with sidewalls over 60' where traditional sweeps fall short



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