

30 Years Of Experience



BUCKET ELEVATORS



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BUCKET ELEVATORS

Duraflow LLC: Reliable Solutions for Your Business

Duraflow LLC brings 30 years of expertise, innovation, and reliability to the production of bucket elevators, setting the standard for quality and efficiency. Our equipment is trusted nationwide for transporting bulk materials in agriculture, processing industries, and beyond.

- **Top-notch quality:** We use only proven materials and advanced technologies, ensuring the long-lasting performance and reliability of our equipment.
- **Versatility:** Our bucket elevators are designed to handle grain, fertilizers, minerals, and a wide range of other materials, making them adaptable to diverse needs.
- **Efficiency:** Every product is tailored to meet your specific requirements, delivering solutions that are both effective and practical.

Duraflow LLC by the Numbers:

- Over 10000 customers worldwide trust our equipment to keep their operations running smoothly.
- Our systems are built to last, with an average lifespan of 40+ years.
- Most orders are processed and shipped quickly, thanks to our streamlined production processes.

At Duraflow LLC, we're more than just a manufacturer — we're your trusted partner dedicated to enhancing your operational efficiency and success. Let us help you elevate your business to the next level!

Finish Options

- Gray powder-coated mild steel
- Galvanized steel

Capacity Range

- From 1,800 BPH to 20,000 BPH

Key Features

- Bolt-Together Design: Simplifies maintenance and reduces costs.
- Custom Head Lining: Options for specific material handling needs.
- Durable Casing: 12 GA (2.65 mm) bolted casing, with 10 GA (3.41 mm) available.
- Inspection Sections: 10-foot (3.05 m) sections with access doors for maintenance and monitoring.



BUCKET ELEVATORS

Duraflow Heads: Built for Durability and Precision

Duraflow Heads are engineered to withstand the toughest conditions, ensuring reliable performance in high-capacity material handling. Designed for efficiency and longevity, they provide seamless operation in agricultural, industrial, and processing environments.

Split hood assembly
for easy access and
maintenance

UHMW shaft seals
for dust-tight operation

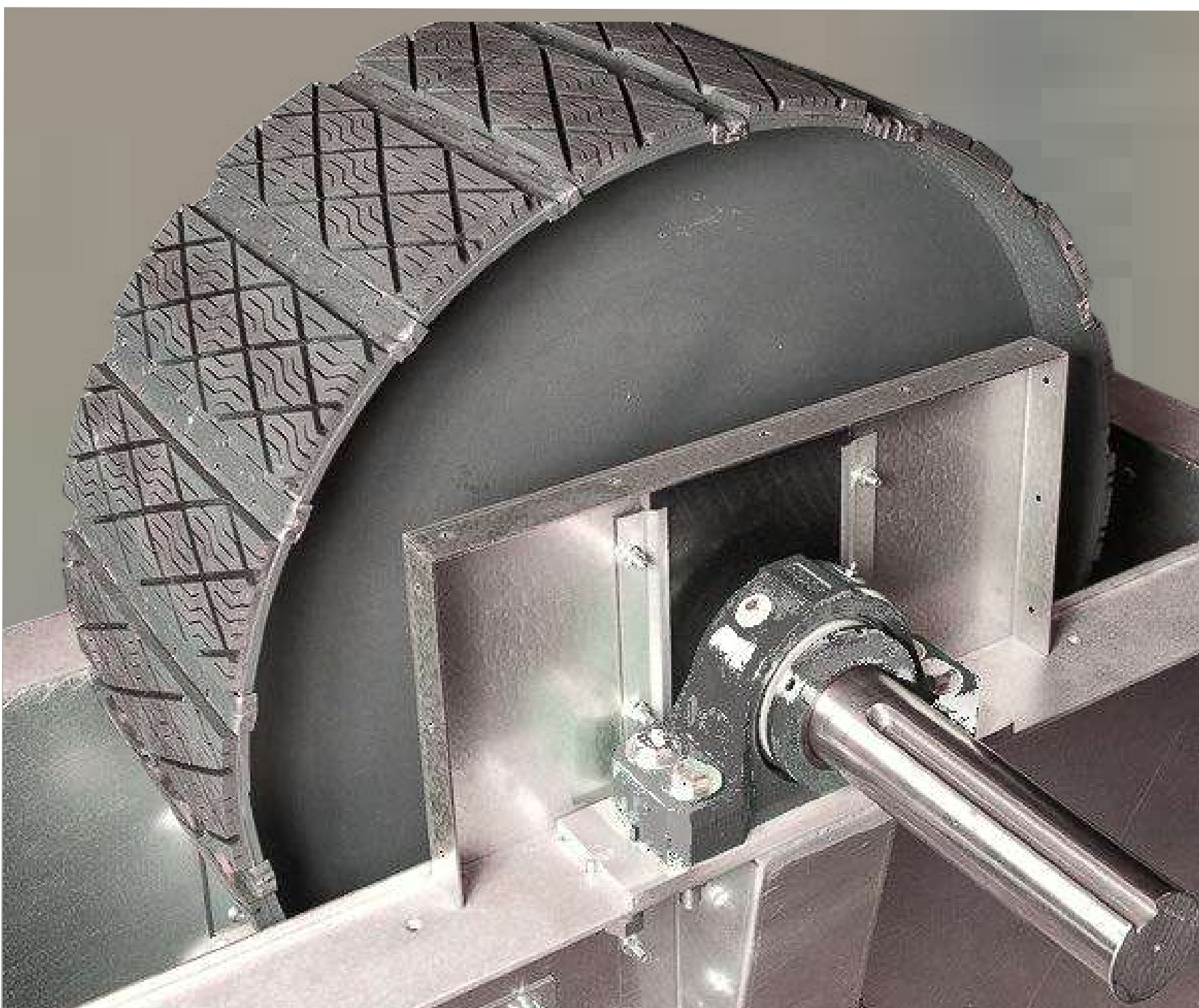
Bolted construction
allows for easy repairs
and replacements,
avoiding the need for
welding that can
damage the finish.



Abrasive resistant liners
at head discharged area,
standard in all elevators

Precision-engineered head shafts prevent
deflection, ensuring
maximum service life and
safe operation.

Assembly access holes
simplify installation and
maintenance.
UHMW shaft seal.



Precision built heavy duty lagged
drum pulley



High-quality commercial-grade pillow
block or double roller bearings ensure
extended system durability, with
adjustable bearing stops for precise
alignment of the bearing, shaft, and pulley.



The lagging inspection door is
equipped with hinges and a quick latch
for added convenience.

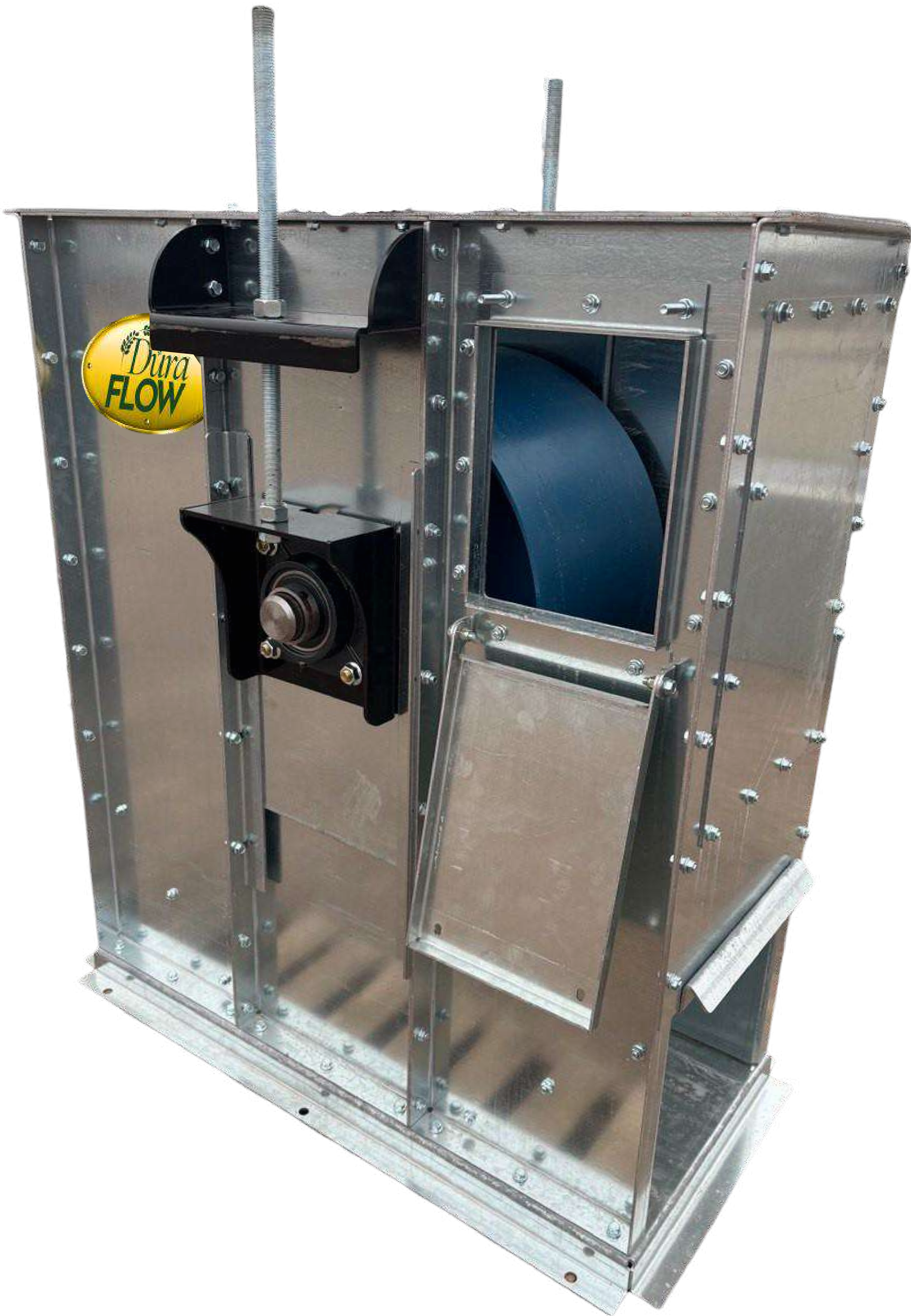
BOOTS

Duraflow LLC offers bucket elevator boots designed for heavy loads and challenging conditions. Built with corrosion-resistant materials and precision construction, our boots ensure smooth material flow and minimal maintenance. Whether in agriculture, processing, or industrial applications, they deliver reliable performance and maximize your operational up time.

4-bolt flange bearings with pedestals keep heat away from the boot and ensure a more balanced pull to the take-up.

UHMW shaft seals ensure a dust-tight operation.

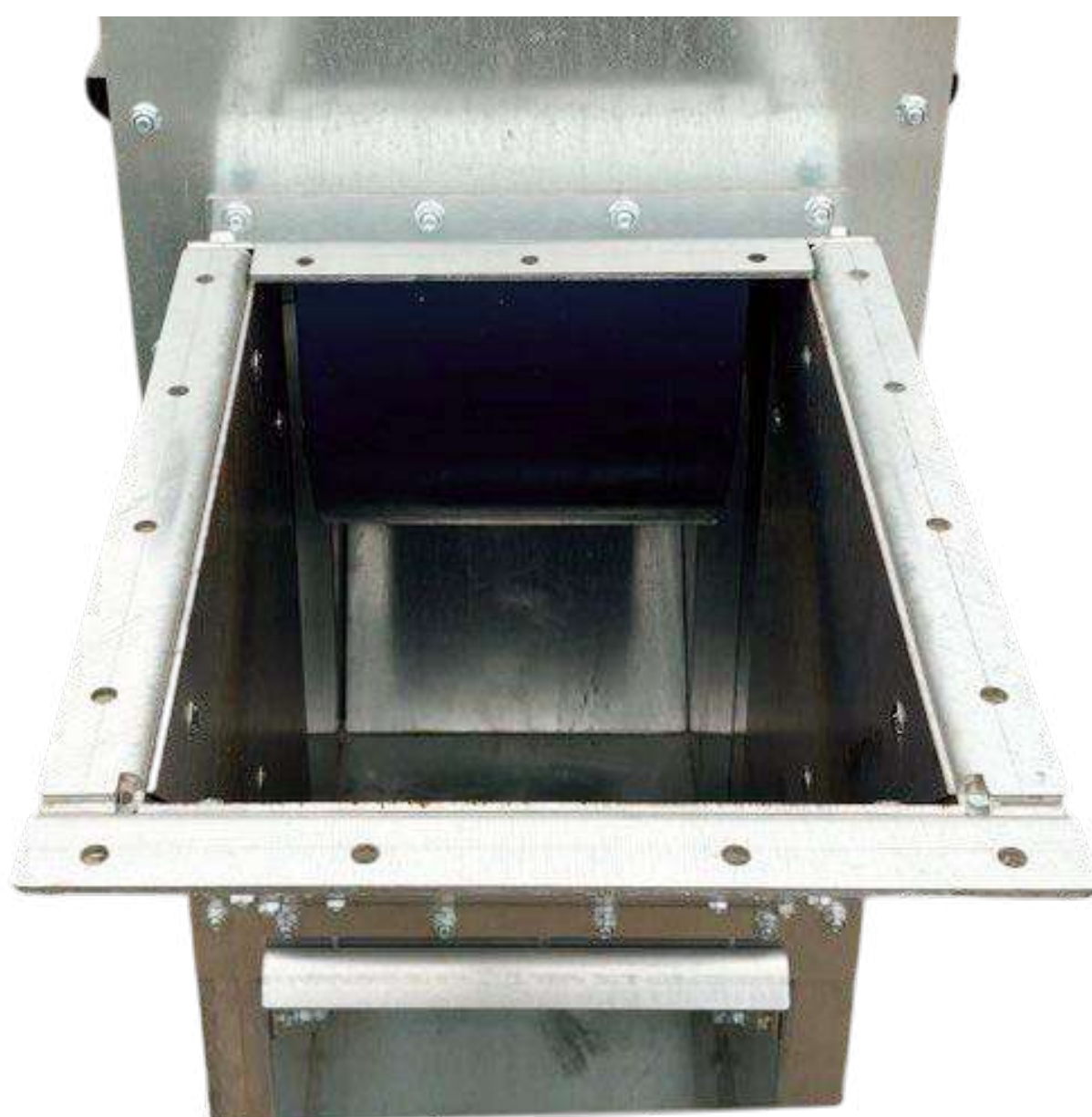
Extra-large, easy-access doors are positioned at each end of the boot.



Vertical steel gussets provide added structural strength.

M24 models and above feature standard boot material made from heavy-duty powder-coated 7 GA (4.55 mm) mild steel or 8 GA (4.17 mm) galvanized steel.

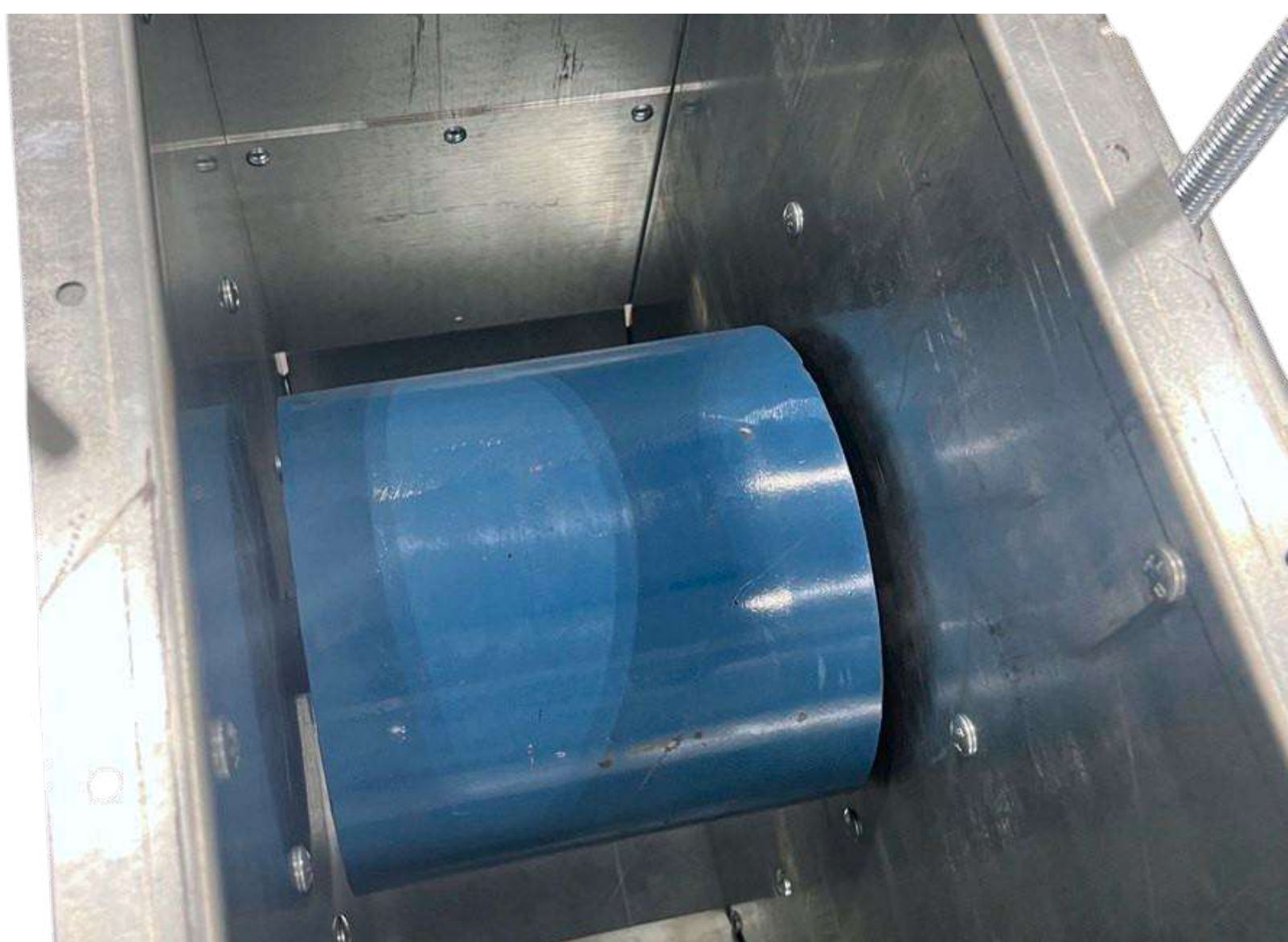
Bolted construction allows for easy repairs and replacements, eliminating the need for welding that can damage the finish.



AR-lined intake enhances durability and wear resistance.



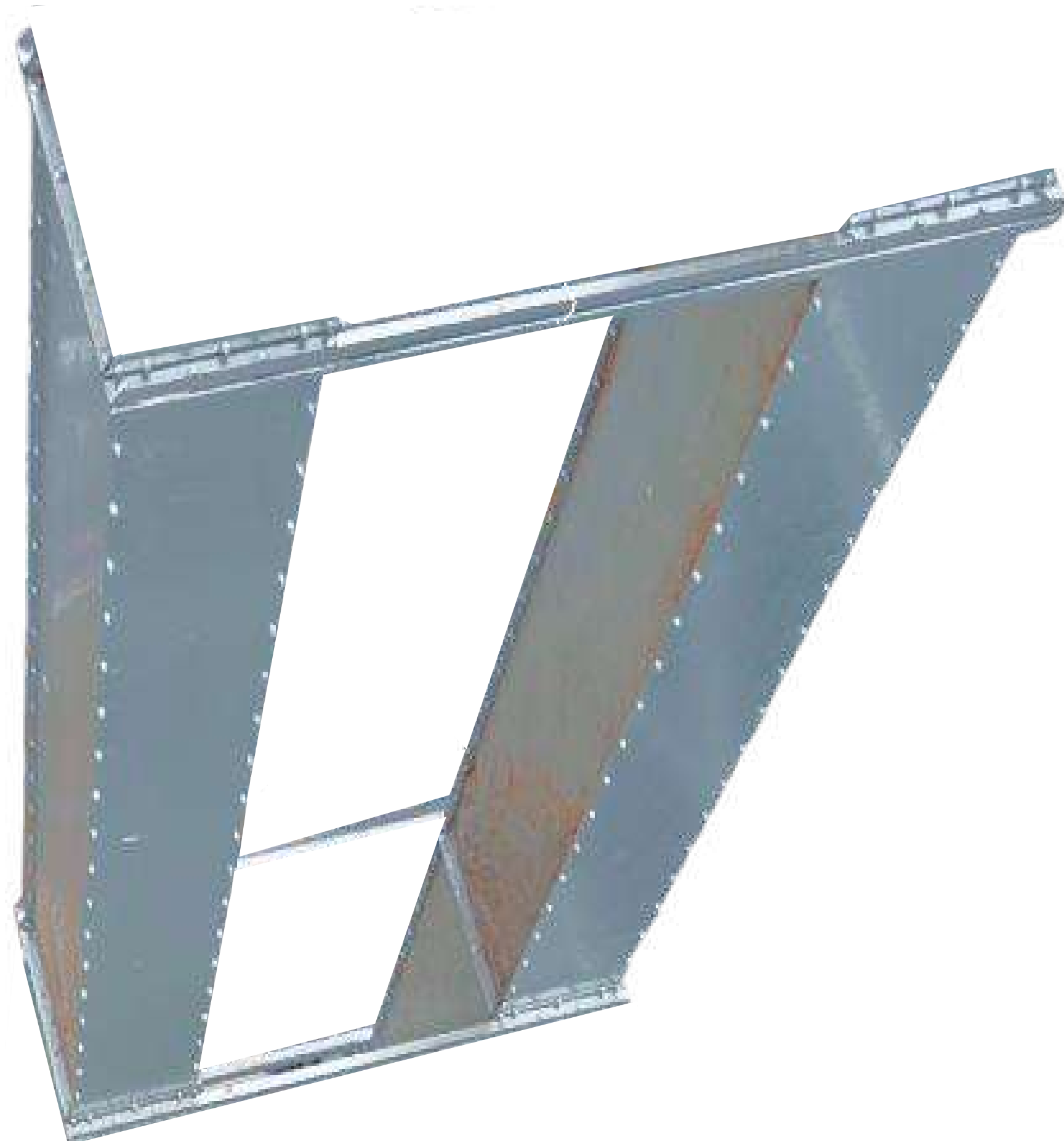
Boot cleanouts on both the up and down sides allow for convenient access and inspection.



The standard crowned idle drum pulley is designed for optimal belt tracking and performance.

TRUNKING & INSPECTION SECTION

Duraflow LLC provides trunking and inspection sections that combine robust construction with practical design. Our trunking ensures structural integrity and efficient material transport, while the inspection sections offer easy access for maintenance and monitoring. Designed to minimize downtime and maximize reliability, these components are essential for seamless bucket elevator operation in demanding environments.



Elevator casings are easy to assemble with our cross angles cut to precision. Bolted construction is the best way to keep everything in alignment.



Bolted leg sections ensure a plumb fit and squareness in the field
Optional leg casing explosion panels designed to National Fire Protection Association standards are available on request



Elevator cups and belts are designed for efficient material handling and long-lasting performance. American made rubber belting is standard.

LEG SUPPORT TOWERS & SKY WALK



Leg support towers provide stable structural support and ensure safe, reliable operation of the elevator system.



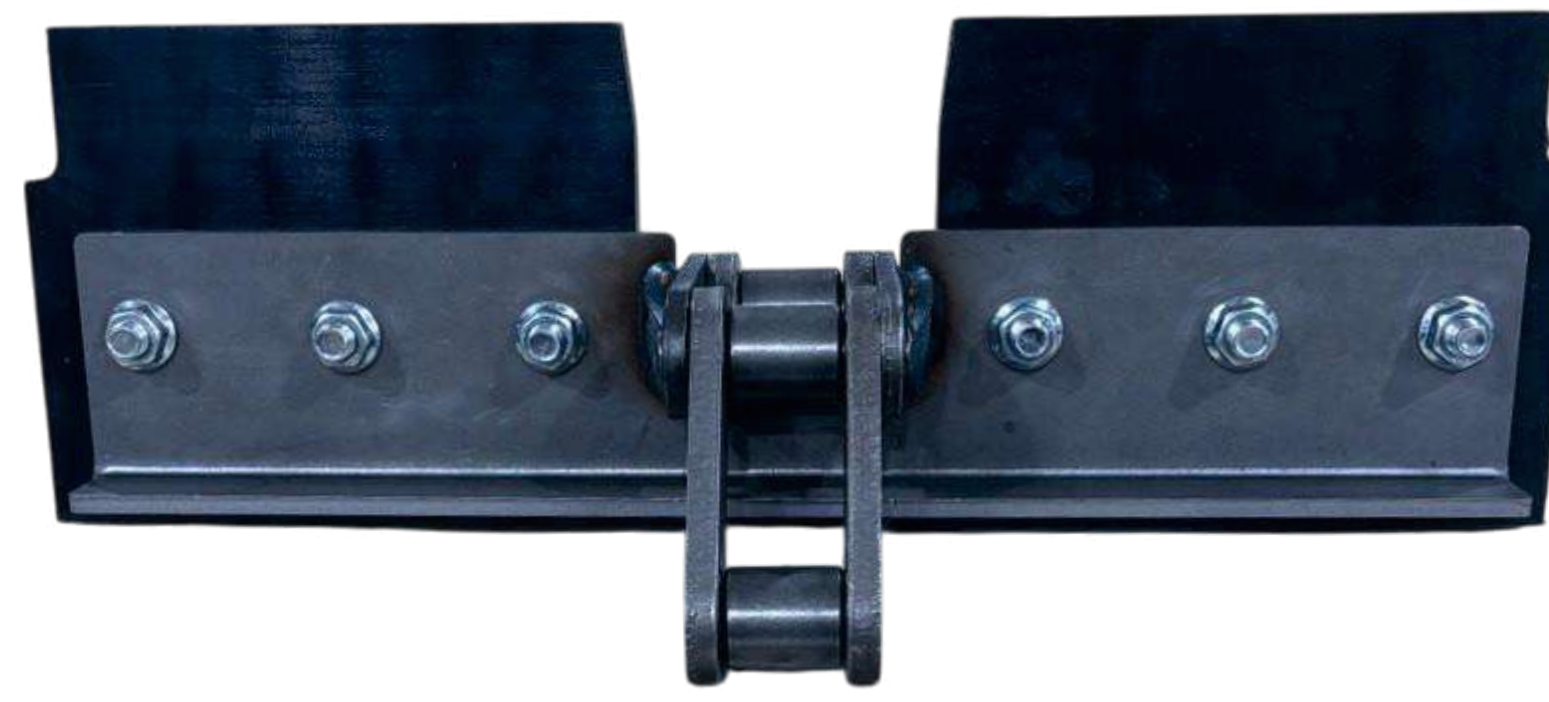
Skywalks offer safe and convenient access for maintenance and monitoring across the elevator system.

SPROCKETS



Flame-cut and flame-hardened **sprockets** are standard, offering exceptional durability and ease of maintenance. Available in various sizes to match chain specifications, including 81XHH. Split sprockets are optional.

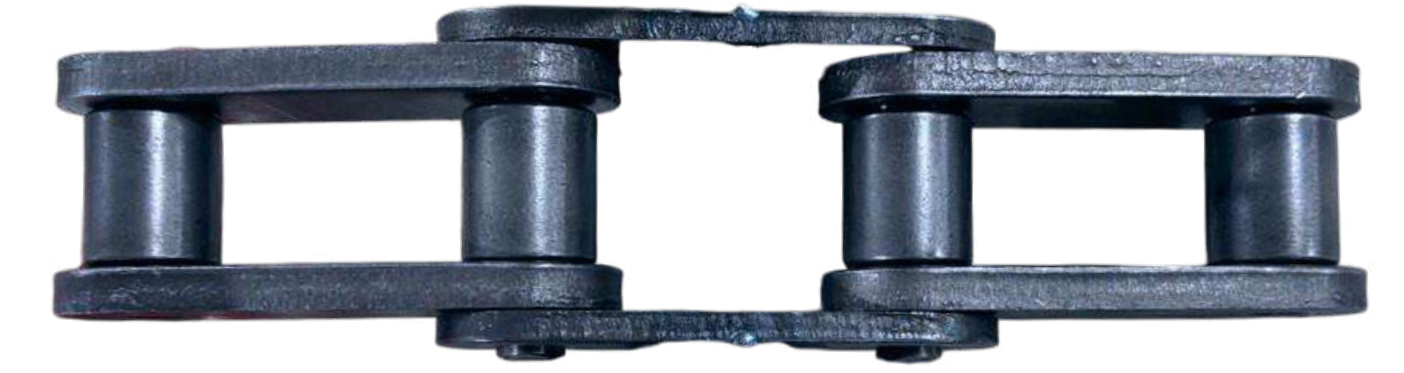
IDC BACKUP PLATES



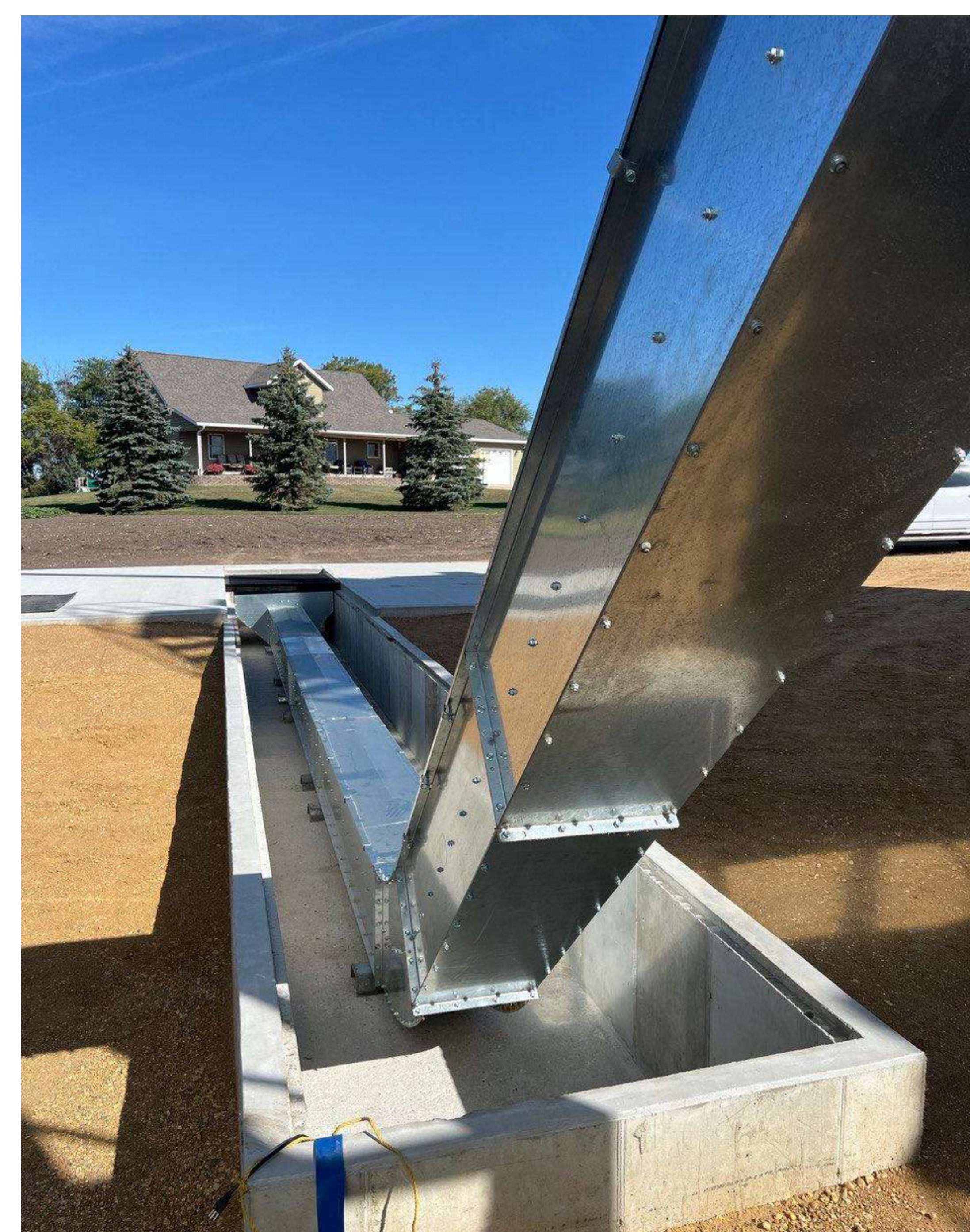
Enhance the durability of paddles when handling large material volumes.

- Standard 1/2" (9.5 mm) UHMW paddles ensure reliable performance across all models.
- 8-gauge (4.2 mm) backup plates come standard on 1219, 1621, 2127 and larger conveyors for added strength and longevity.

CHAINS, SPROCKETS & PADDLES



All conveyors feature heavy-duty **roller chains**.
81X-81XH-81XHH



American Craftsmanship



EN-MASSE CONVEYORS



duraflow.pro



EVERY ANGLE COVERED, EVERY DETAIL PERFECTED: CONVEYORS FOR YOUR SUCCESS

En-Masse and Incline Conveyors by Duraflow

Duraflow provides grain and incline conveyors designed for maximum efficiency, durability, and performance. Our conveyors are built to handle a wide range of agricultural and industrial materials, ensuring seamless operations in even the most demanding environments.

Reliable Performance

- Grain Conveyors: With capacities ranging from 1,000 to 20,000 bushels per hour, our grain conveyors are built for speed and efficiency.
- Incline Conveyors: Perfect for transporting grain, fertilizers, polymers, and salts over long distances and varying angles.
- Bolt-together construction simplifies maintenance and reduces downtime.

Why Choose Duraflow?

- Heavy-duty 10 GA (2.65 mm) or optional AR Liners with 3/16AR bottoms & 10 Ga side wall liners steel construction provides long-lasting durability.
- Easy-access inspection sections allow for quick monitoring and maintenance.
- Custom configurations available to meet your specific needs.

With Duraflow conveyors, you get a reliable solution tailored to your operation's needs, backed by American-made quality you can trust. Contact us today to learn more!

Premium Quality, Made in the USA

90% of all conveyor components are manufactured in the United States, ensuring top-notch quality and supporting American craftsmanship.



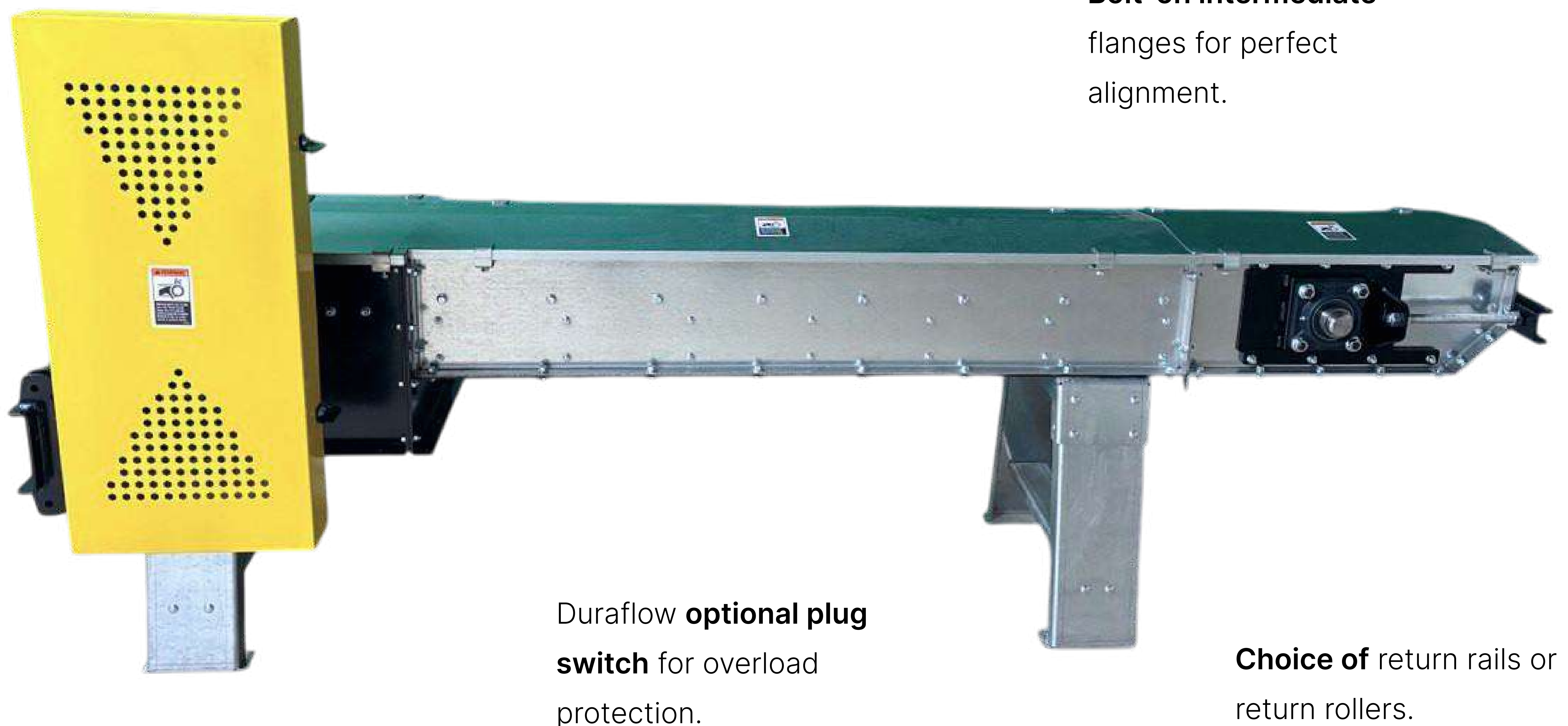
EN-MASSE CONVEYORS

Duraflow en-masse conveyor systems are available **in a wide range of capacities and dimensions** to meet virtually any situation. Regardless of the model you choose, you are assured of optimal performance, quick and simple installation, and long service life. A wide range of optional abrasive-resistant (AR) side and bottom liners are available for use in demanding commercial operations.

Galvanized construction with 11 gauge [3.03 mm] intermediate sides and gauge [4.17 mm] bottom and 14 gauge [1.90 mm] cover standard. AR liners available on request.

Heavy-duty Dodge 4-bolt flange bearing standard on both head and tail.

Bolt-on intermediate flanges for perfect alignment.



En-masse conveyors are efficient systems designed for transporting bulk materials, capable of moving large volumes of product both horizontally and at an incline. They are particularly beneficial in agriculture for handling grain and other bulk materials.

Primary Applications:

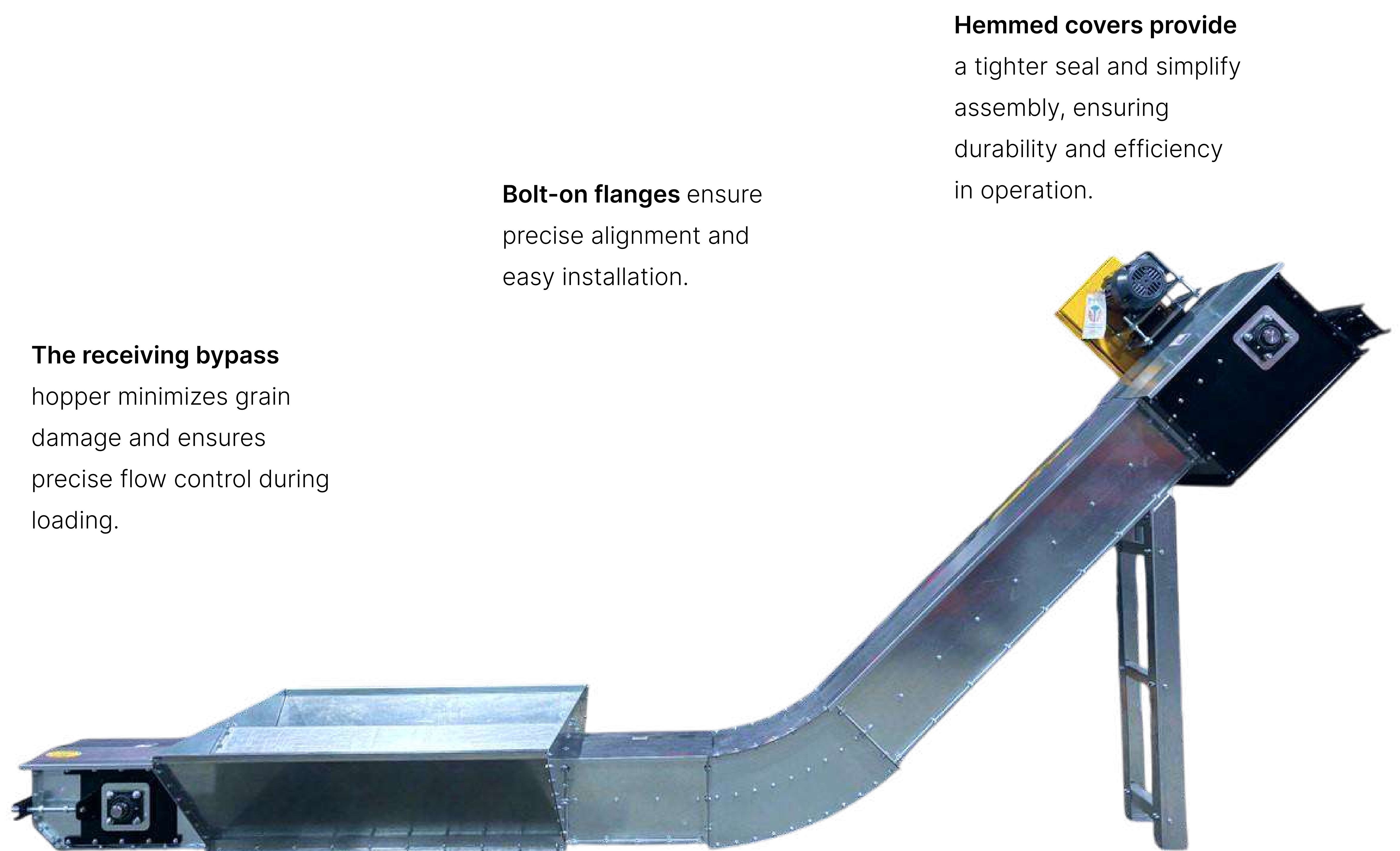
- Moving grain from hoppers to elevators
- Transporting materials over long distances within production facilities
- Delivering grain to processing lines

En-masse conveyors can be customized for a variety of operations—from small farms to large-scale commercial enterprises—with capacities of up to 16,000 bushels per hour (over 400 tons per hour). For heavy-duty commercial use, options are available with abrasion-resistant side and bottom liners to ensure equipment durability.

Duraflow offers a wide range of en-masse conveyors tailored to meet diverse customer needs. Our conveyors are manufactured from high-quality materials, ensuring reliability and operational efficiency. We also provide customization services to adapt the equipment to the specific requirements of your farm or business.

INCLINE CONVEYORS

Duraflow Conveyors are engineered for efficient material handling on inclines of up to 45°, combining durability and performance with galvanized construction. With capacities reaching up to 20,000 BPH, they ensure reliable operation for farms and commercial setups alike.



Bolt-on flanges ensure precise alignment and easy installation.

Hemmed covers provide a tighter seal and simplify assembly, ensuring durability and efficiency in operation.

The receiving bypass hopper minimizes grain damage and ensures precise flow control during loading.

Our conveyors feature **seal-tight designs** for enhanced durability and ease of assembly. Optional abrasion-resistant (AR) bottom and side liners are available for the grain flow side, ensuring longevity in demanding conditions. Models 1219, 1621, 2127 0, 1624, and 2124 use 81X and 81XHH roller chains.

Curved elbows are designed for inclines ranging from 5° to 45°, featuring a 68" (1727 mm) radius for smooth and efficient material flow.

Model IDC: These “elbowed” incline conveyors are designed to move large volumes of material in specific configurations, combining horizontal movement with an incline ranging from 5° to 45° on a 68" (1727 mm) radius. An ideal application for the Model IDC is efficiently transporting high volumes of material from an under-truck pit into a bucket elevator.

Materials in Duraflow Model IDC conveyors travel as a solid mass, eliminating turbulence and preserving material quality and integrity. These high-capacity systems are engineered for strength, durability, and reliability. Duraflow Model IDC systems can be tailored for any use, from small farm setups to large commercial operations with capacities reaching 20,000 BPH (544 MTPH) and beyond. Optional abrasion-resistant side and bottom liners are available for demanding commercial applications.

TAIL SECTIONS

Tail sections are engineered for durability, featuring bypass inlets to evenly and quickly divert grain around the paddles. Heavy-duty bearings and sturdy steel bottoms manage large volumes and weights efficiently.

All tail sections include flame-cut and flame-hardened sprockets, with split sprockets optional across all models. Configurations can be easily adjusted to meet specific application needs and capacity requirements, supporting lines of up to 50° incline.

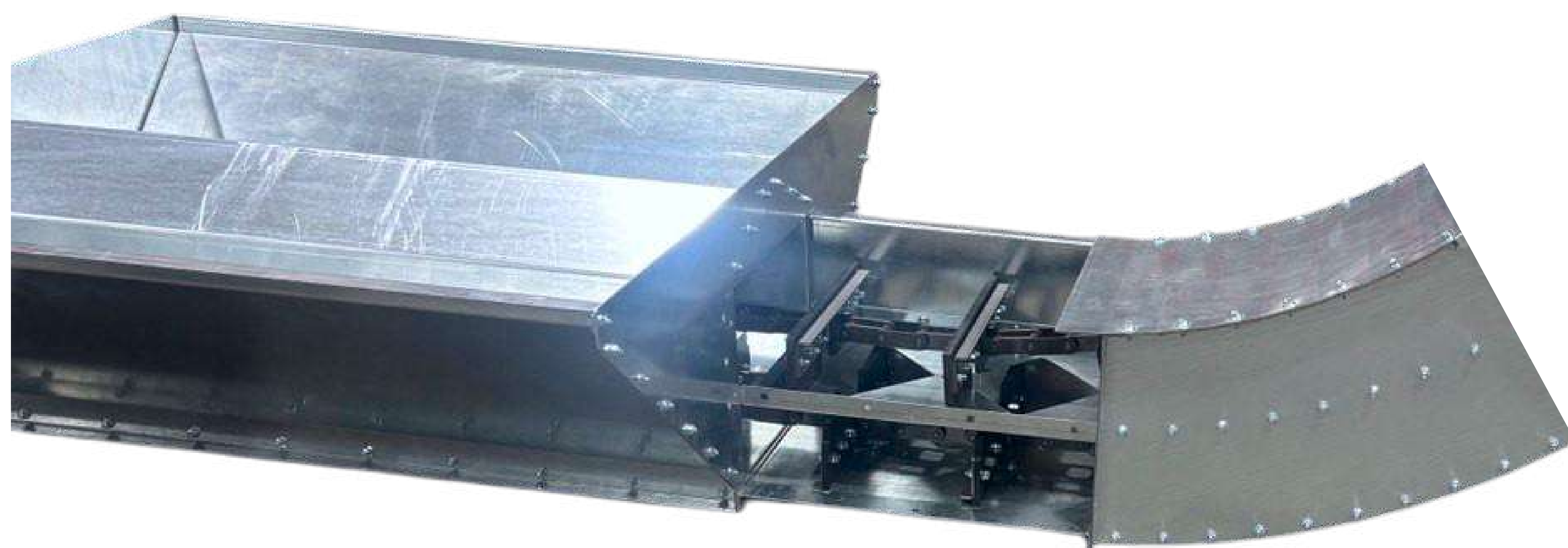


The heavy-duty take-up assembly ensures easy and precise chain adjustment, enhancing conveyor performance and longevity.

Our conveyors are designed with **seal-tight construction** to enhance durability and simplify assembly. Optional abrasion-resistant (AR) bottom and side liners are available on the grain flow side for extended longevity in demanding conditions.

DUMP HOPPERS

Bypass inlets efficiently divert grain evenly and quickly around the paddles, ensuring smooth operation.



The bolt-in 8-gauge (4.2 mm) return floor enhances durability and supports long-term performance.

DRIVE-OVER GRATE ASSEMBLY

features durable, rugged grates designed to accommodate all conveyor sizes, ensuring reliable performance.



Grain slides are strategically placed on corners to minimize material hang-up and ensure smooth flow.

PLATFORMS, LADDERS & CAGES

At Duraflow, safety is our top priority in every system we design.

Our platforms, ladders, and cages are crafted from all-galvanized steel, ensuring durability, reliability, and ease of installation. Every ladder, fall restraint, and platform package is engineered to meet or exceed OSHA safety standards. Additionally, optional fall restraint systems, such as cable systems, are available upon request for enhanced safety.

The oversized work platform provides ample space for servicing equipment, ensuring both convenience and worker safety.

Platform and head sections come pre-assembled from the factory, minimizing on-site construction time.

The unique “L”-shaped distributor platform ensures easy access to distributors and spouting connections, while offering additional space to enhance worker safety.

Simple-to-assemble **rest platforms** include a quickly reversible ladder opening, offering efficiency and flexibility during installation.

