

WALKING FLOOR[®] **Trailer Unloaders**



Moving more than materials,
we move your business forward.

KEITH
MANUFACTURING CO



We don't build trailers, we unload them.

Specially designed for use in a variety of trailers, the KEITH® *WALKING FLOOR*® system self unloads almost any material including bulk products, pallets, drums, bales, and rolls. With its unique horizontal action, the trailer floor moves materials in minutes, eliminating the risks associated with dump and tipping trailers.



HOW IT WORKS

Powered by a hydraulic drive, the floor “walks” material in or out of the trailer. All systems are designed with a control valve for two-way loading or unloading operation.

▶ WATCH IT WORK





Efficient unloading.

Improving efficiency is the goal of every operation. Investing in a KEITH trailer unloading system can ensure both profitability and productivity. Not only can the system quickly and easily load and unload almost any type of material, it can also operate on difficult terrain and in all types of weather conditions.



Safety and flexibility in the field.

A *WALKING FLOOR*® system allows you to safely unload materials inside buildings and tunnels, under utility lines, during windy conditions, and on uneven or unstable ground. Additionally, when you automate the unloading process, you make the work environment safer for operators, lowering their chance of injury.



Proven reliability.

You deserve equipment as dependable as you are. That means minimal maintenance, fewer replacement parts, and less downtime. KEITH® *WALKING FLOOR*® unloaders have earned a solid reputation for reliability and durability while providing a low cost of ownership over the life of the product.



UNLOAD ALMOST ANYTHING.

Our unloading systems are versatile and can haul a variety of products. Systems can be customized to your specific application to handle a wide range of materials.

WASTE

- Organics
- MSW
- C&D

AGRICULTURE

- Fertilizer
- Seed
- Feed

WOOD

- Mulch
- Chips
- Block

RECYCLING

- Scrap
- Cardboard
- Plastic
- Glass

ENERGY

- Biomass
- Tires
- RDF

PAPER

- Broke
- Baled
- Shredded

AGGREGATE

- Sand
- Gravel
- Asphalt

Running Floor II® DX Drive

The KEITH® RUNNING FLOOR II® DX drive has set the standard worldwide in horizontal unloading technology. It is the most reliable drive unit installed in a moving floor trailer.

DRIVE FEATURES

Drive Frame

Custom frame made of steel or aluminum for ease of installation.

Cross Drives

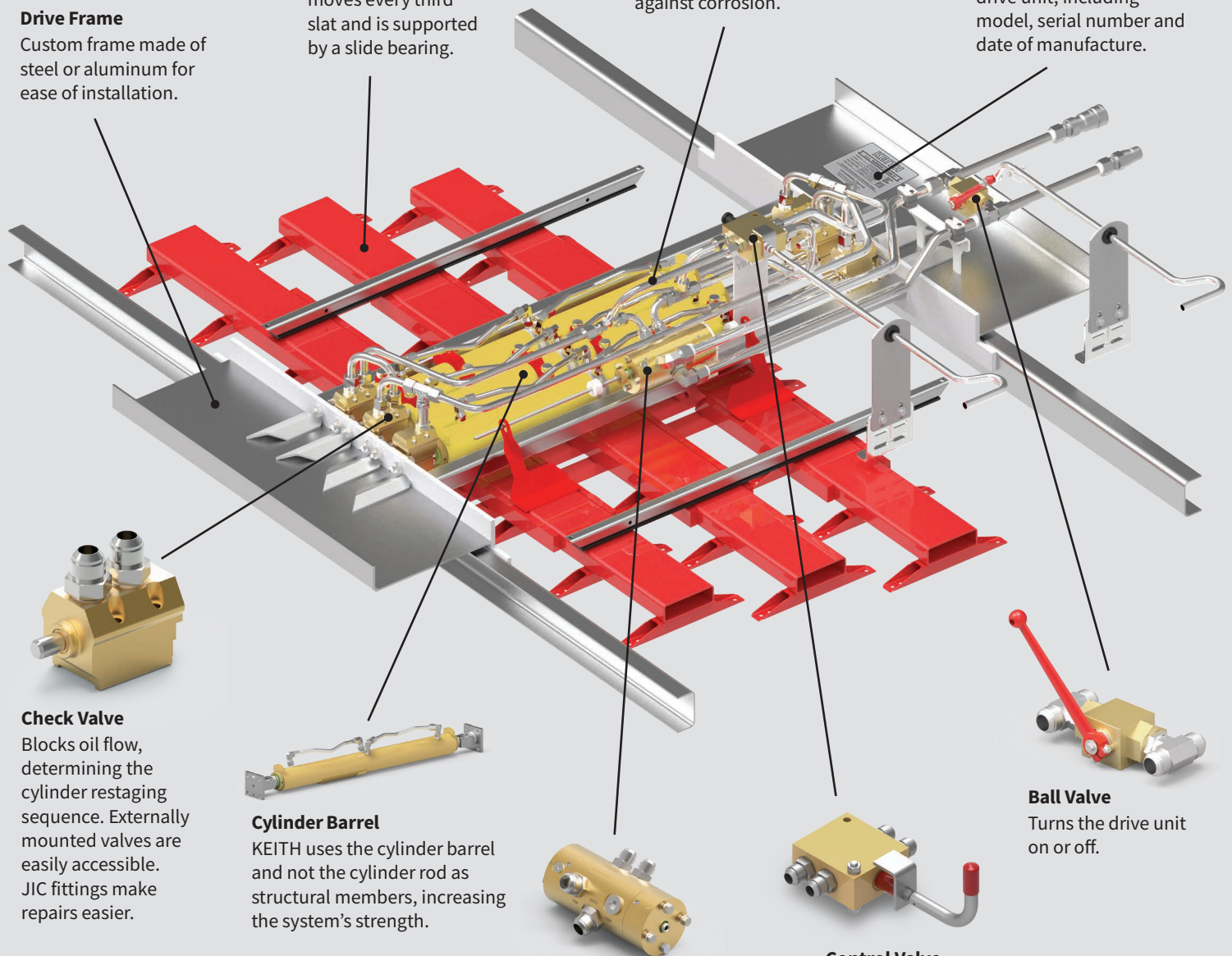
Each cross drive moves every third slat and is supported by a slide bearing.

Steel Hydraulic Tubing

Standard design makes replacement easier. Stainless steel protects against corrosion.

Serial Plate Location

Contains important information about the drive unit, including model, serial number and date of manufacture.



Check Valve

Blocks oil flow, determining the cylinder restaging sequence. Externally mounted valves are easily accessible. JIC fittings make repairs easier.

Cylinder Barrel

KEITH uses the cylinder barrel and not the cylinder rod as structural members, increasing the system's strength.

Switching Valve

Controls oil flow and sequence of cylinders. Equipped with pressure port for testing.

Control Valve

Determines loading or unloading mode. Ported valve contains O-ring fittings.

Ball Valve

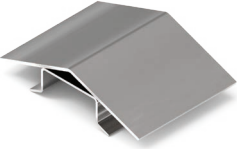

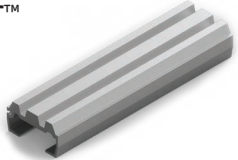
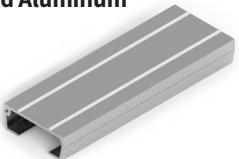
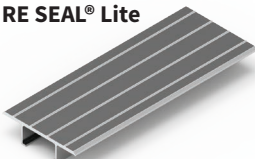
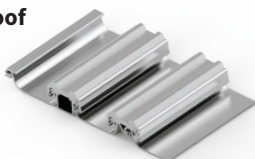
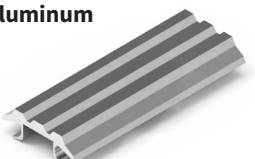
Turns the drive unit on or off.

✓ **2 YEAR WARRANTY**
HYDRAULIC COMPONENTS

Floor Slats

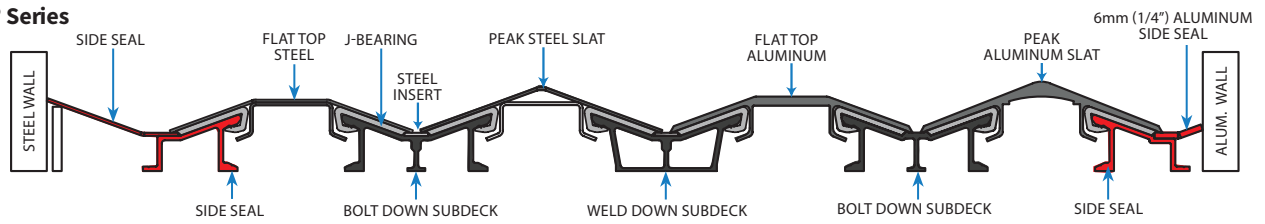
KEITH® WALKING FLOOR® systems are available in a wide range of slat profiles and thicknesses to address a vast number of applications.

Most common slat profiles are shown. Additional slats available.

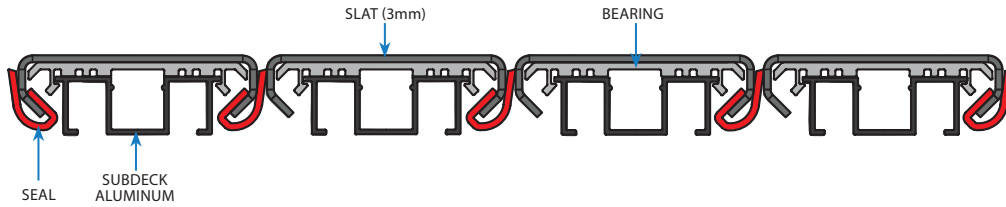
| SLAT TYPE | DESCRIPTION | APPLICATION |
|---|--|--|
| V-FLOOR® Series  | <p>The V-FLOOR® Series is designed for high-impact, extreme-duty loads. Slat options include high-wear steel and aluminum profiles. This flooring can handle high-temperature materials and is leak resistant.</p> | <p>Steel Slats: Aggregate, Asphalt, Heavy C&D, Scrap Metal</p> <p>Aluminum Slats: Light C&D, MSW, Recyclables</p> |
| J-MAX™ Steel Floor  | <p>The J-MAX™ Steel Floor gives you maximum performance and versatility. Made of roll-formed steel, this floor is designed for longer wear when unloading abrasive materials.</p> | <p>Abrasive and Sticky Materials, Construction Debris, Glass, Gravel, Light Demolition, Mineral Concentrates, MSW, Mulch, Salt, Sand, Waste, Wood Products</p> |
| IMPACT™  | <p>With a variety of ridge height options, this floor is meant to handle moderate to heavy impact loading. Optional wear strips can be installed to increase the life span of the slats.</p> | <p>Biofuels, Light to Moderate C&D, Recyclables, Waste, Wood Products</p> |
| Standard Aluminum  | <p>The Standard Aluminum is the original WALKING FLOOR® slat and includes a wide range of profile types and thicknesses. Slat designs are interchangeable.</p> | <p>Biofuels, Recyclables, Waste, Wood Products</p> |
| PRESSURE SEAL® Lite  | <p>The PRESSURE SEAL® Lite is built for fine products to prevent material loss from the bottom of the floor. The tighter load seal prevents seepage and cross-contamination during transit and unloading.</p> | <p>Agriculture, Biomass, Commodity, Mulch</p> |
| LeakProof  | <p>Designed for high-moisture loads, the LeakProof floor is installed with a LeakProof drive and has a ponding ability of up to 12 inches. The sealed, interlocking subdeck holds liquids in the trailer.</p> | <p>Cannery Waste, Medical Waste, MSW, Silage</p> |
| V-18 Aluminum  | <p>Used for curbside collection of MSW and mixed recyclables, the V-18 Aluminum floor has additional slat support in the drive area and is leak resistant.</p> | <p>MSW, Recyclables</p> |

Floor Profiles

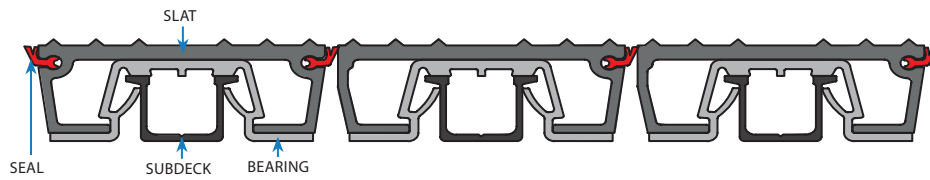
V-FLOOR® Series



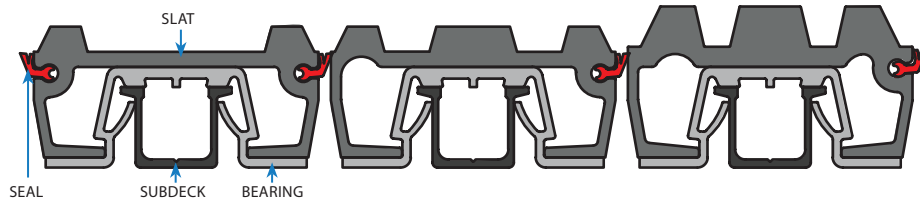
J-MAX™ Steel Floor



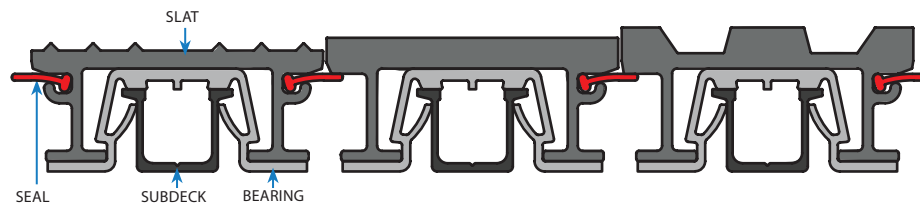
Standard 3.5" - 7/32"



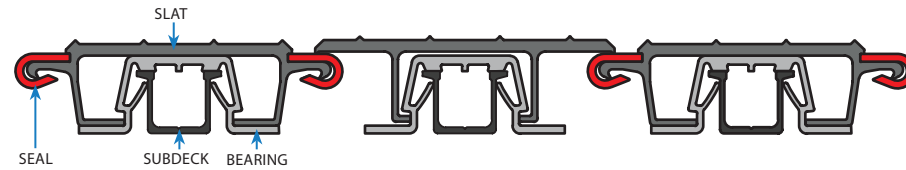
Standard 3.5\"/>



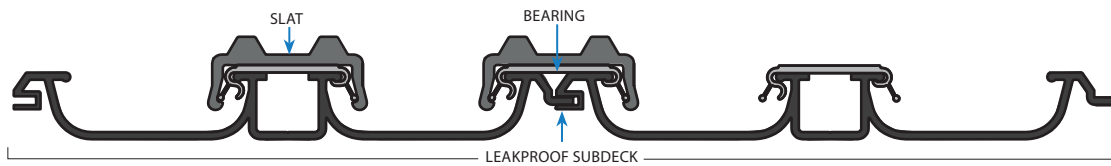
Standard 3.5\"/>



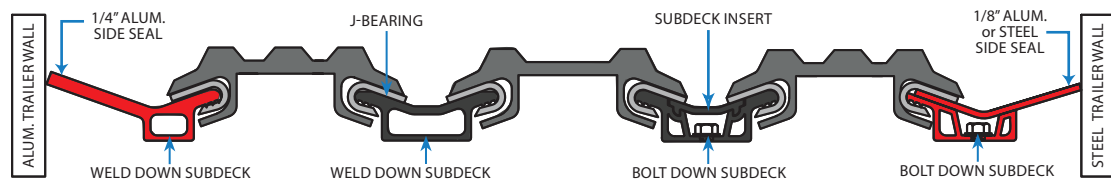
PRESSURE SEAL® Lite



LeakProof



V-18 Aluminum



Sweep Systems

A KEITH Sweep system cleans the trailer floor as it unloads. This automated system eliminates the need for brooms or manual tarps so the operator never needs to enter the trailer, providing a safer working environment.



CleenSweep® Tarp System

The CleenSweep® Tarp System is lightweight and takes up virtually no payload. This electric powered system (battery or DirectConnect) is easy to install. Available with an optional hydraulic drive.



KEITH® Sweep System

The KEITH® Sweep System forms to the floor to easily clean out high density materials such as aggregate, glass, and construction debris. Powered by a hydraulic drive, it's built for long-lasting durability.

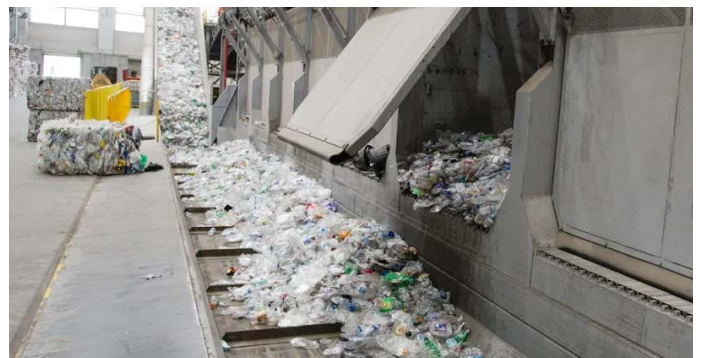
Conveying and Storage Solutions

KEITH provides systems for handling unitized products and other specialty loads. If a standard *WALKING FLOOR*® system isn't right for your application, check out our other options.



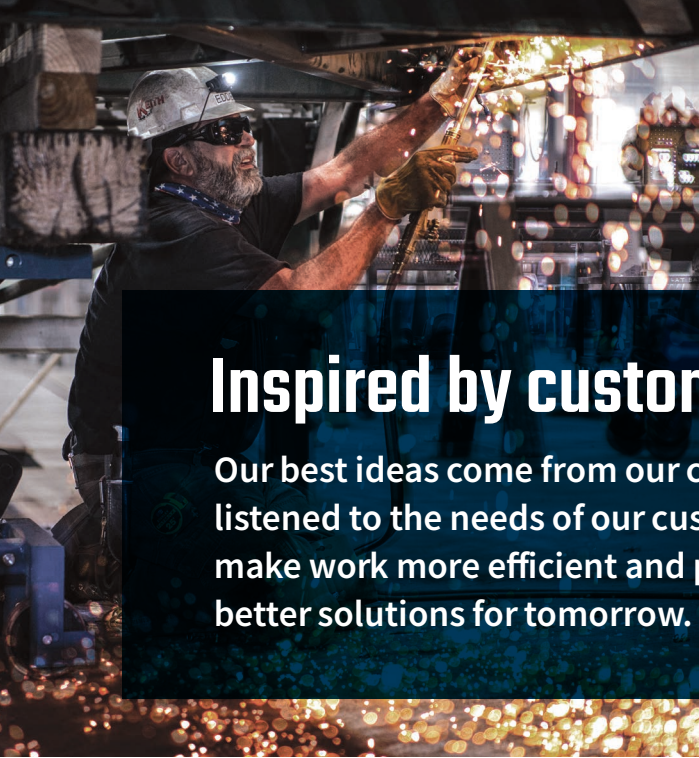
Freight Runner® Conveyor System

The KEITH® Freight Runner® Conveyor system automates and replaces the manual process of cargo handling that requires a forklift operator and an employee with a pallet jack. Move up to 30 tons and load/unload a full trailer in as little as two minutes. The system is easy to install, requires minimal trailer modifications, and is compatible with most trailers. Systems for warehouse and assembly line application are also available.



Storage and Conveying Bins

KEITH® *WALKING FLOOR*® bins provide a cost-effective, low maintenance solution for automating your conveying and storage needs. Configurations are based on customer specifications and include pit mounted, large and small storage bins, loader-fed bins, and DrivOn™ solutions. Accessories such as infeed chutes, leveling screws, spike rolls, and discharge augers are available.



Inspired by customers. Powered by innovation.

Our best ideas come from our customers. For more than 70 years, KEITH has listened to the needs of our customers to create material handling products that make work more efficient and profitable. We're still listening today and designing better solutions for tomorrow.



THE KEITH ADVANTAGE

INDUSTRY EXPERTS

KEITH Manufacturing Co. was launched in the early 1970s when Keith Foster set out to make the most reliable, durable, and effective unloading system. Since then, the company has sold more than 90,000 units and holds over 270 patents.

QUALITY MADE

Manufacturing most components on site means superior quality control. KEITH designs, manufactures, and assembles our systems at our world headquarters in Madras, Oregon.

CUSTOMER FOCUSED

KEITH provides ongoing customer service with after-market parts and support. Team members are readily available to answer questions from end users, OEMs, and dealers.

TECHNICAL TRAINING

KEITH provides technical training resources, including service clinics and repair workshops. A comprehensive library of videos and manuals is available online anytime.

GLOBAL NETWORK OF DEALERS

KEITH encompasses five international locations and has a global network of dealers to service our customers, wherever they may be.

Product Questions and Customer Service

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KEITH

MANUFACTURING CO