



SINCE 1967

AIRFLOAT PRODUCTS

SKIDS

- 10-11 [AIR SKID](#)
- 12-13 [AIR SKID: RIGGING KIT](#)
- 14-15 [AIR SKID: LIFT GLIDE](#)

PLANKS

- 16-17 [AIR PLANK: ALUMINUM](#)
- 16-17 [AIR PLANK: STEEL](#)

PLATFORMS

- 18-19 [UTILITY PLATFORM](#)
- 18-19 [UTILITY ROLL PLATFORM](#)
- 20-21 [AIR PLATFORM](#)

TRANSPORTERS

- 22-23 [AIR TRANSPORTER](#)
- 24-25 [AIR ROLL MOVER](#)

ALIGN PRODUCTS

TURNTABLES

- 31-32 [AIR CASTER TURNTABLE](#)
- 33-36 [MECHANICAL TURNTABLE](#)

POSITIONERS

- 37-38 [HEAD AND TAILSTOCK](#)
- 39-40 [HYDRAULIC UPENDER](#)

ERGONOMIC

- 41-42 [ERGONOMIC EQUIPMENT](#)

HEDIN PRODUCTS

TUGGER

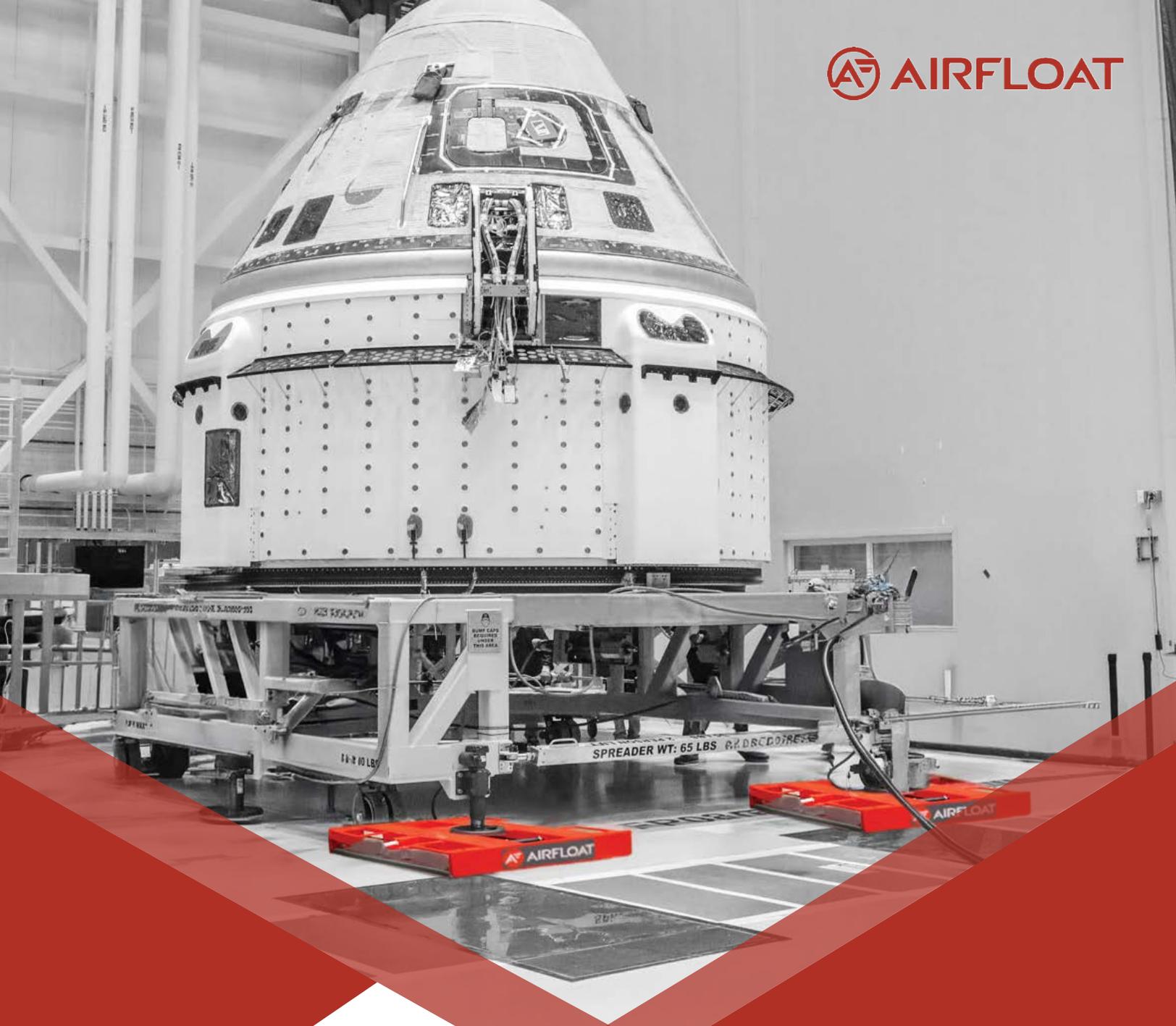
- 44-45 [BATTERY POWERED TUGGER](#)
- 46-47 [RIDE-ON TUGGER](#)
- 48-49 [GT TUGGER](#)

COIL

- 50-51 [COIL CAR WITH SPIKE](#)
- 52-53 [COIL CAR WITH CRADLE](#)
- 54-55 [COIL TIPPER](#)

TRANSPORTER

- 56-57 [PALLET TRANSPORTER](#)
- 58-59 [PLATFORM TRANSPORTER](#)
- 60-61 [MOLD & DIE TRANSPORTER](#)
- 62-67 [FLATBED TRANSPORTER](#)



AIR-POWERED MATERIAL HANDLING
CATALOG

AIRFLOAT PRODUCTS



SKIDS

- 10-11 [AIR SKID](#)
- 12-13 [AIR SKID: RIGGING KIT](#)
- 14-15 [AIR SKID: LIFT GLIDE](#)



PLANKS

- 16-17 [AIR PLANK: ALUMINUM](#)
- 16-17 [AIR PLANK: STEEL](#)



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LOCATED IN THE
MIDWEST



SCALE OF MANUFACTURING
65,000 SQ. FT.



FOUNDED IN 1967
55+ YEARS

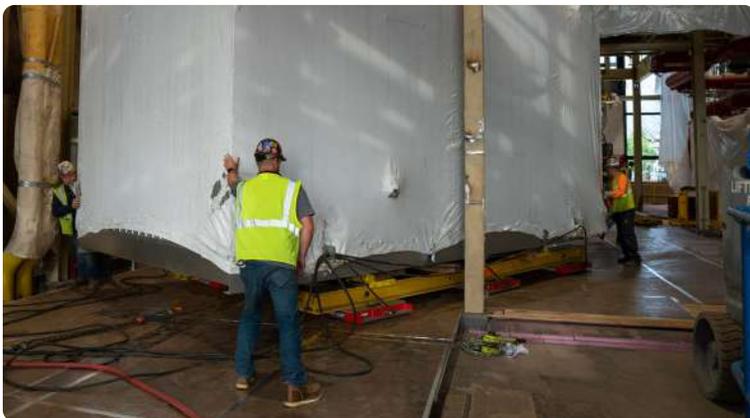


INVENTOR OF
AIR CASTERS

FULL SERVICE SOLUTION

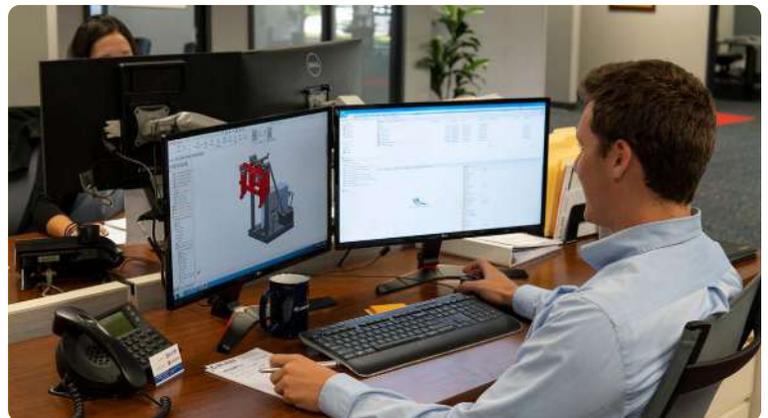
Airfloat, established in 1967, pioneered air caster technology, enabling the efficient movement of heavy loads with minimal friction. Over the years, we have expanded our product line to serve diverse industries such as automotive, aerospace, manufacturing, and assembly lines. We continue to focus on engineering air caster solutions, emphasizing quality, safety, and performance to meet the demands of our global clientele.

- ***Diverse Product Line- Long Lasting Air Casters***
- ***Custom Engineering Solutions***
- ***Experienced Team***
- ***Commitment to Quality & Product Longevity***
- ***Support and Training Services***



AIR CASTER TECHNOLOGY

Air caster technology utilizes a thin, pressurized film of air to lift and move heavy loads, distributing weight evenly and reducing friction, allowing for smooth, precise, and omnidirectional movement in a variety of applications.



ENGINEERING SUPPORT

Airfloat's engineering team leverages decades of expertise to design innovative, high-performance air caster systems tailored to meet specific operational needs.



OUR PRODUCTS IN THE FIELD



AIR SKIDS MOVE 55,000 LBS

An airplane engine rebuild facility needed to relocate their coordinate measuring machine (CMM) to a new bay. They are extremely heavy (over 20,000 lbs.) and require careful handling. Airfloat Air Skids prove to be the quick ideal solution.



MANIFOLD ASSEMBLY LIFT GLIDES

A customer required a flexible method to move their subsea fluid power system of 10,000 pounds through their production line. Airfloat Lift Glides lift the frame off the ground and allows omnidirectional movement throughout the process.



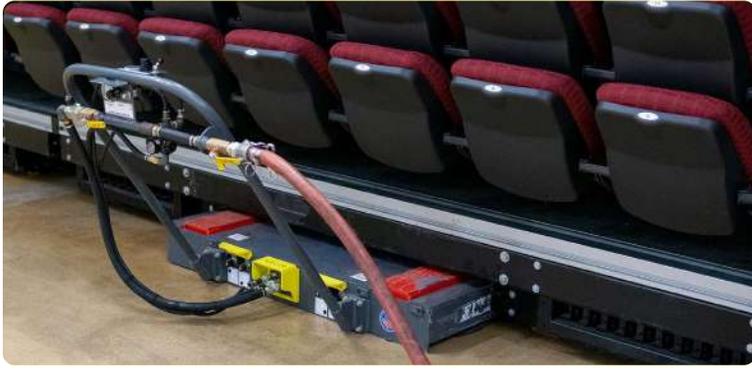
AIR SKIDS AT CUSTOMER SITE

A work stand manufacturer sought an alternative to wheels for moving newly-built aerospace work stands. The stands measured approximately 14'x14' and weighed 10,000 lbs., and Airfloat Air Skids provide a seamless solution.



AIR SKIDS AT CUSTOMER SITE

A customer with a large open assembly area needed a way to move forestry vehicles through their production line. Airfloat Air Skids were chosen for their omnidirectional movement and to maintain a monument-free floor.



QUICK CHANGE BLEACHER MOVER

The United Center, needed a way to quickly relocate bleacher sections. Using a custom Air Bearing Platform with lift, operators are able to move 30,000 lb. bleachers by hand, allowing the arena to reconfigure for ice hockey, basketball, or other entertainment events.



VALVE CASTING CMM TRANSPORTER

A precision machining center required a system to move large castings to their coordinate measuring machine (CMM) quickly and easily. With the use of an Air Caster Transporter with integrated drives, our customer is able to move castings in excess of 25,000 lbs. with a single operator.



AIR SKIDS MOVING AIRPORT BOILER

At one of the busiest international airports in the world, an industrial boiler needed to be replaced. By installing a set of high capacity Airfloat Air Skids underneath the 80,000 lb. boiler stand, operators were able to manually move the boiler out of commission to the maintenance area safely and effectively.



LOCOMOTIVE CAB ASSEMBLY

A locomotive company needs to work on rail cars in an assembly line. Using an Air Bearing Transporter with drives and hydraulic lift, operators are able to drive the 20,000 lb. unit down the line and raise to working heights for better access.



NUCLEAR REACTOR CONSTRUCTION

A nuclear power manufacturer needs to move and assemble superconductor modules for heat treatment. Using a custom Air Caster Transporter equipped with drives and electromechanical lift, the 250,000 lb. modules are easily positioned and raised.



AIRFLOAT AIR CASTER



POWERED BY COMPRESSED AIR

STANDARD CAPACITIES 305,000 LBS+

HEIGHT AS LOW AS 2.5 INCHES

OMNI-DIRECTIONAL MOVEMENT

Air Casters, also known as Air Bearings, are a pneumatic component that provide an easy way to lift and move heavy loads by creating a cushion of air between the load and the floor. This allows for smooth, omni-directional movement, making it simple to position challenging loads. We use high-quality urethane diaphragms that are durable and resistant to wear, offering a cost-effective alternative to traditional wheeled systems.

- *Air Bearings Last for Decades in Ideal Environments*
- *Push Loads with a Single Operator, Compliant with Plant Standards*
- *Low Entry Cost*
- *Flexible For Changing Environments*
- *Safe and Stable When Deactivated*



6 AIR SKIDS FLOATING 80,000 LBS



AIR CASTER SLIDE-OUT TRAY

FLEXIBILITY WITH OMNI-DIRECTIONAL MOVEMENT

Omni-directional movement allows the load to be moved in any direction – forward, backward, sideways, or even diagonally – without needing to rotate or reposition the equipment. This allows you to move and position your load with precision.

EASY MAINTENANCE WITH SLIDE-OUT TRAYS

We've designed our Air Caster products for easy repair with slide-out trays to replace the Air Caster without removing the load - leading to minimal downtime and a quick turnaround to get back to moving heavy loads.



AIR CASTER FLOORING CONDITIONS

Ideal floor conditions for Air Caster use include smooth, level surfaces with minimal texture, as rough or uneven flooring requires higher airflow and can impact performance. Floors should be flat, with transitions smoothed for continuous operation. Protrusions like bolts should be flush to avoid damage, and slight slopes can affect maneuverability.



**LEARN MORE
ABOUT FLOOR
CONDITIONS**

AIR CASTERS AIR QUALITY

Air Casters perform at the highest level with clean dry air. The air doesn't need to be the highest quality of standards but moderately clean air. Moisture in the air supply can obstruct airflow causing wear on the caster system.

REDUCED POINT LOADING BY 90%¹

Air Casters distribute the load over a much larger area compared to wheels, dramatically reducing wear and tear on floors. They are an excellent solution for floors with lower load ratings.

66% LOWER DOWN HEIGHT ¹

Air Caster products have a much lower height compared to wheels, keeping the load close to the ground and reducing the risk of tipping.

SAFE, SECURE LOAD CONTROL

The load can only be moved when the Air Casters are inflated. In an emergency, cutting the air supply causes the load to quickly and gently settle back down, ensuring it won't move.



1. Compared to standard wheeled systems with the same weight capacity



EXPANDABLE SYSTEM

Our Air Caster systems offer customizable, expandable configurations, available in different sized sets to tailor load-handling capacity and positioning flexibility. This modular design allows facilities to adjust to varying load requirements.

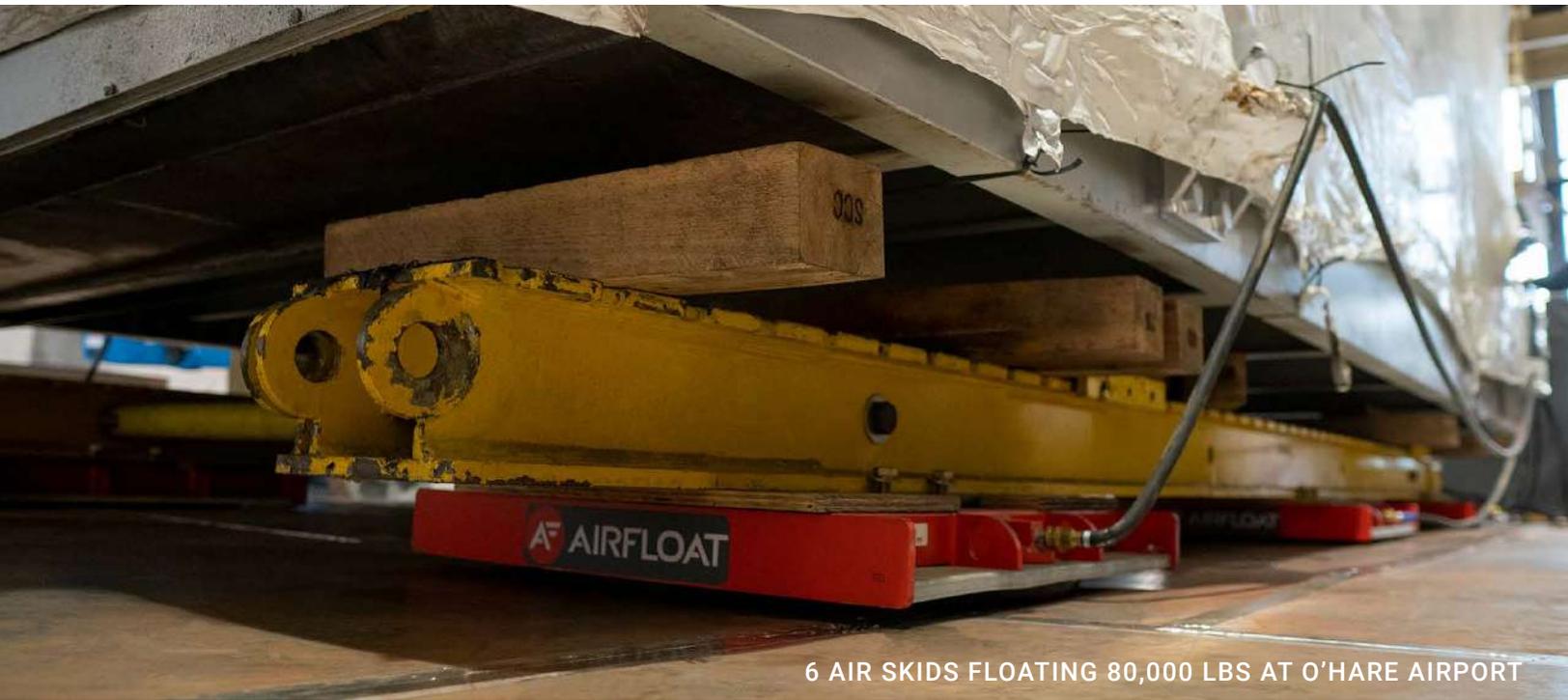


AIR PRESSURE

Air Casters generally operate at a standard pressure of 35 PSI with ideal floor conditions. However, as floor quality deteriorates (with roughness or unevenness), more air pressure is required to maintain lift and maneuverability.



AIRFLOAT AIR SKIDS



6 AIR SKIDS FLOATING 80,000 LBS AT O'HARE AIRPORT

 **POWERED BY COMPRESSED AIR**

 **STANDARD CAPACITIES 315,000 LBS+**

 **HEIGHT AS LOW AS 3 INCHES**

 **OMNI-DIRECTIONAL MOVEMENT**

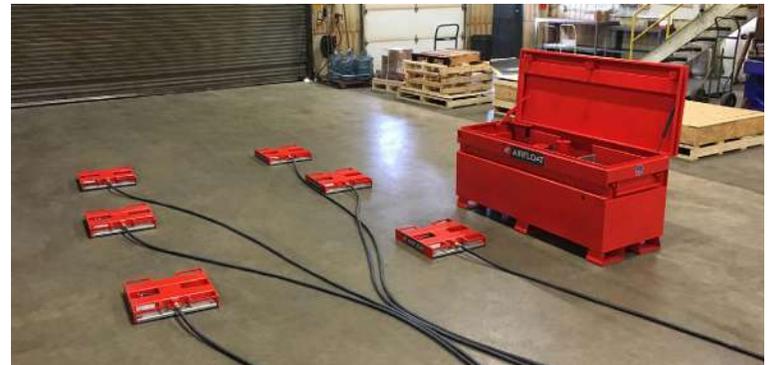
Air Skids, also known as Air Skates, are designed to be placed under, or mounted to the bottom of a load. When the Air Casters are inflated, they create a cushion of air that lifts the load, allowing for smooth, near-frictionless movement. Based on the load size and capacity, they can be arranged in standard sets of four or six. Custom arrangements can be used for various applications. Standard sets are available in a portable box with everything needed for the job.

- *Add Skids for greater load flexibility*
- *Easy maintenance with slide-out trays*
- *Optional Rigging Kit, portable box with everything needed for the job*
- *Distribute the load over a larger area, reducing the risk of floor damage*



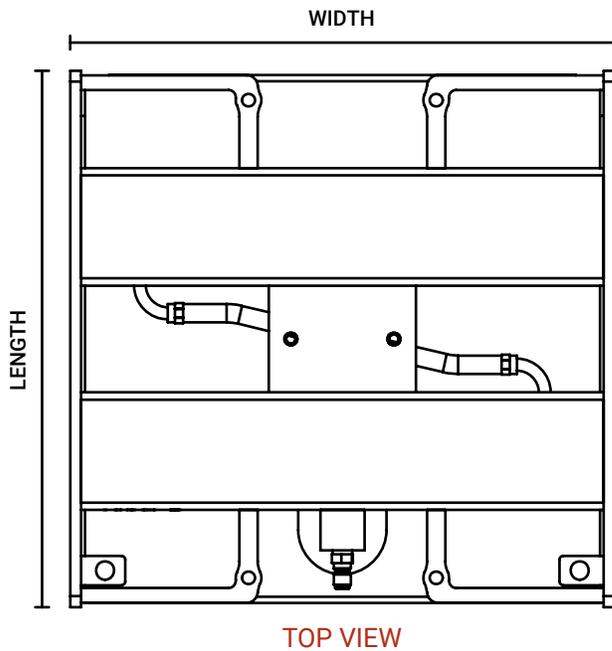
FLEXIBLE WITH A RANGE OF LOAD SIZES

Air Skids can be added or removed based on the load size, providing flexibility for higher capacities, complex shapes, and additional support. Talk with an Airfloat sales engineer to learn more.

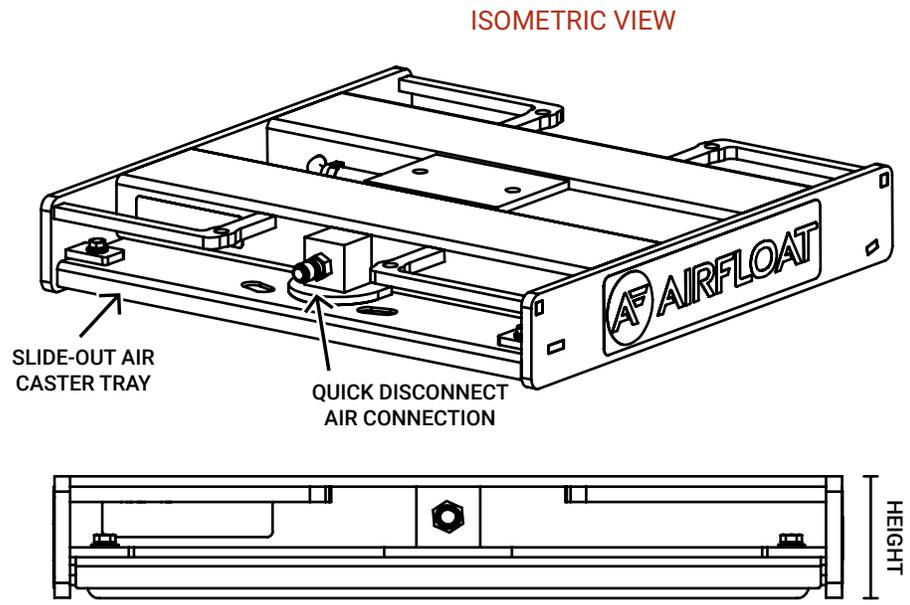


ALL-IN-ONE RIGGING KIT

Containing everything needed for the job, it secures the Air Skids and equipment in a portable box. It fits in most truck beds and includes custom inserts and forklift pockets for easy relocation. For more detail, see page 10.



TOP VIEW



BACK VIEW

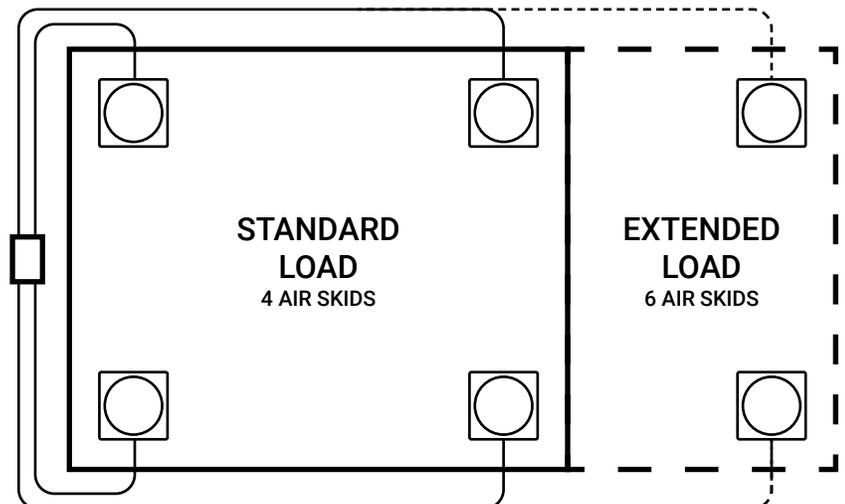
SET OF 4 & 6 AIR SKID SPECIFICATIONS

| MODELS | SET OF 4 SKIDS | | SET OF 6 SKIDS | | HEIGHT DEFLATED ¹ | SKID SIZE L x W | WEIGHT 1x SKID |
|-----------------------|--------------------------|-----------------------|---------------------------|-----------------------|---------------------------------|----------------------------------|-------------------|
| | CAPACITY | AIR FLOW | CAPACITY | AIR FLOW | | | |
| AF01012 12" CASTER | 12,000 lbs 5,443 kg | 44 SCFM 1,246 L/m | 18,000 lbs 8,165 kg | 66 SCFM 1,869 L/m | 3 in 76 mm | 13.25 x 13.25 in 337 x 337 mm | 26 lbs 12 kg |
| AF01017 17" CASTER | 25,000 lbs 11,340 kg | 64 SCFM 1,812 L/m | 37,500 lbs 17,010 kg | 96 SCFM 2,718 L/m | 3 in 76 mm | 18.25 x 18.25 in 470 x 464 mm | 44 lbs 20 kg |
| AF01020 20" CASTER | 33,000 lbs 14,969 kg | 72 SCFM 2,039 L/m | 49,500 lbs 22,453 kg | 108 SCFM 3,058 L/m | 3 in 76 mm | 21.5 x 21.5 in 546 x 540 mm | 58 lbs 26 kg |
| AF01024 24" CASTER | 50,000 lbs 22,680 kg | 88 SCFM 2,492 L/m | 75,000 lbs 34,019 kg | 132 SCFM 3,738 L/m | 3.5 in 89 mm | 25.75 x 25.25 in 654 x 641 mm | 98 lbs 44 kg |
| AF01030 30" CASTER | 85,000 lbs 38,555 kg | 112 SCFM 3,171 L/m | 127,500 lbs 57,833 kg | 168 SCFM 4,757 L/m | 3.5 in 89 mm | 31.75 x 31.5 in 806 x 800 mm | 138 lbs 63 kg |
| AF01036 36" CASTER | 125,000 lbs 56,699 kg | 140 SCFM 3,964 L/m | 187,500 lbs 85,049 kg | 210 SCFM 5,947 L/m | 4 in 102 mm | 37.75 x 37.5 in 959 x 953 mm | 235 lbs 107 kg |
| AF01048 48" CASTER | 210,000 lbs 95,254 kg | 188 SCFM 5,324 L/m | 315,000 lbs 142,882 kg | 282 SCFM 7,985 L/m | 5 in 127 mm | 50 x 49.5 in 1,270 x 1257 mm | 430 lbs 195 kg |

1. Inflated height adds approximately 1/16th in (1.6mm) to 1.875 in (47.6mm), depending on model, load weight, and air flow.

INCLUDED WITH AIR SKID SET

| PRODUCT | QUANTITY |
|---------------------|----------|
| AIR SKIDS | 4 or 6 |
| AIR SKID CONTROLLER | 1 |
| DEADMAN PENDANT | 1 |
| 32FT SINGLE HOSE | 4 or 6 |
| SPARE AIR CASTER | 1 |





AIR SKID: RIGGING KIT



POWERED BY
COMPRESSED AIR



STANDARD CAPACITIES
75,000 LBS+



HEIGHT AS LOW AS
3 INCHES



OMNI-DIRECTIONAL
MOVEMENT

The Air Skid Rigging Kit includes everything needed to operate Air Skids, all neatly packed in a heavy duty box. This kit is perfect for quick, easy deployment at job sites and fits comfortably in most pickup truck beds. It features custom inserts for organization and forklift pockets for hassle-free loading and unloading. The kit also includes two spare air casters, allowing for quick replacement in case of damage.

- **Heavy-duty locking box**
- **Everything in one box needed for Air Skid moves**
- **Easily moved from job to job**
- **Space saving storage when not in use**
- **Provides entire Air Skid system, instead of individual skids**

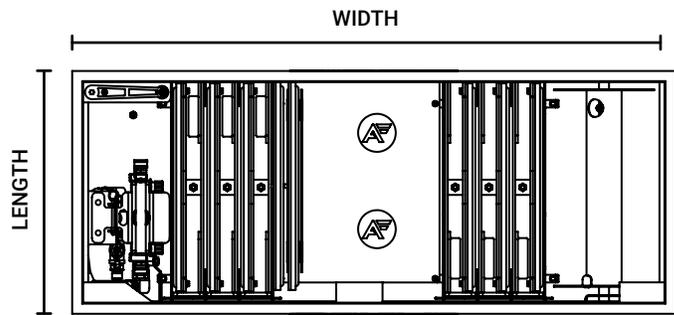


WHAT'S IN THE BOX?

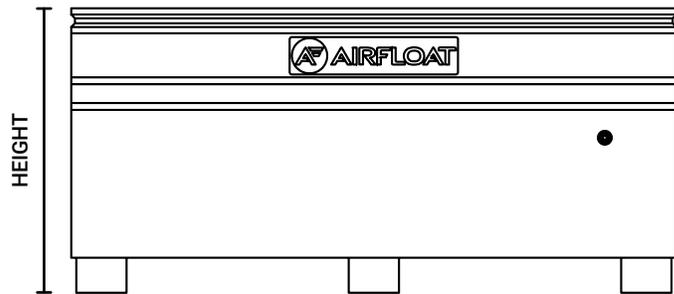
The Air Skid Rigging Kit includes 6 Air Skids, 2 spare Air Casters, a 6-port Air Skid controller with Deadman pendant, 1 supply hose for the controller, and 6 individual hoses for each Air Skid. All components are safely secured in a heavy-duty locking box.

STORAGE & TRANSPORTATION MADE EASY

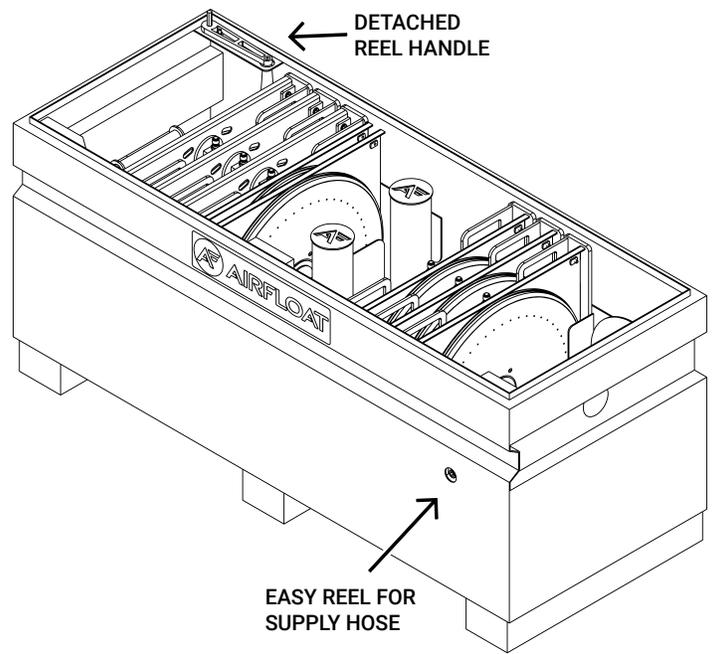
Everything needed for the job and more, the Rigging Kit makes Air Skid storage and transportation easy. The portable kit fits in most pickup truck beds and can be unloaded using its heavy-duty recessed side handles or a forklift.



TOP VIEW (WITHOUT LID)



FRONT VIEW



ISOMETRIC VIEW (WITHOUT LID)

SEE PAGES 11-12 FOR AIR SKID SPECIFICATIONS AND DRAWINGS

AIR SKID RIGGING KIT SPECIFICATIONS

| MODELS | SET OF 4 SKIDS | | | SET OF 6 SKIDS | | | BOX SIZE L x W x H |
|-----------------------|-------------------------|----------------------|--------------------|-------------------------|-----------------------|----------------------|--|
| | CAPACITY | AIR FLOW | WEIGHT | CAPACITY | AIR FLOW | WEIGHT | |
| STANDARD | | | | | | | |
| AF01112 12" CASTER | 12,000 lbs 5,443 kg | 44 SCFM 1,246 L/m | 756 lbs 342 kg | 18,000 lbs 8,165 kg | 66 SCFM 1,869 L/m | 826.5 lbs 374 kg | 60 x 24 x 28.25 in 1,524 x 610 x 718 mm |
| AF01117 17" CASTER | 25,000 lbs 11,340 kg | 64 SCFM 1,812 L/m | 855 lbs 387 kg | 37,500 lbs 17,010 kg | 96 SCFM 2,718 L/m | 975 lbs 442 kg | 60 x 24 x 28.25 in 1,524 x 610 x 718 mm |
| AF01120 20" CASTER | 33,000 lbs 14,969 kg | 72 SCFM 2,039 L/m | 912 lbs 413 kg | 49,500 lbs 22,453 kg | 108 SCFM 3,058 L/m | 1060.5 lbs 481 kg | 60 x 24 x 28.25 in 1,524 x 610 x 718 mm |
| AF01124 24" CASTER | 50,000 lbs 22,680 kg | 88 SCFM 2,492 L/m | 1200 lbs 544 kg | 75,000 lbs 34,019 kg | 132 SCFM 3,738 L/m | 1420 lbs 644 kg | 66 x 30 x 36 in 1,676 x 762 x 914 mm |

1. Inflated height adds approximately 1/16th in (1.6mm) to 1.875 in (47.6mm), depending on model.

INCLUDED IN AIR SKID RIGGING KIT

| PRODUCT | QUANTITY |
|---------------------|----------|
| AIR SKIDS | 4 or 6 |
| AIR SKID CONTROLLER | 1 |
| DEADMAN PENDANT | 1 |
| 32FT SINGLE HOSE | 4 or 6 |
| SPARE AIR CASTER | 2 |
| 85FT SUPPLY HOSE | 1 |





AIR SKID: LIFT GLIDES



POWERED BY
COMPRESSED AIR



STANDARD CAPACITIES
125,000 LBS+



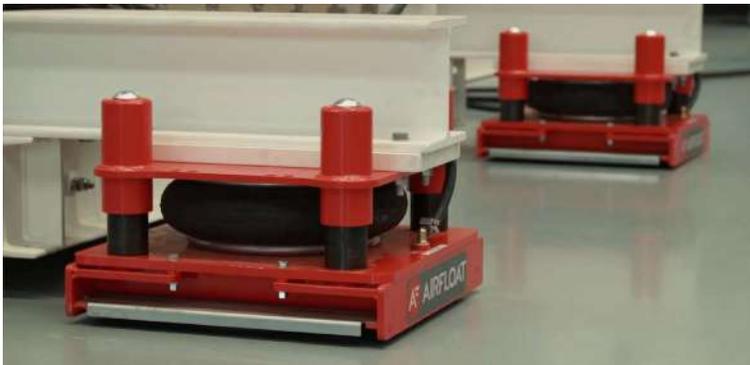
HEIGHT AS LOW AS
5.75 INCHES



OMNI-DIRECTIONAL
MOVEMENT

Air Skid Lift Glides are mounted onto a load or cart, keeping it slightly elevated off the floor. This provides flexibility for the load to rest on the floor or be moved on wheels. When the load needs to be moved or is too heavy for the wheels, lower the Lift Glides to the floor. This action inflates the Lift Glides and lifts the load and wheels off the ground. Then air bearings are inflated creating a cushion of air, allowing for easy, near-frictionless movement.

- *Fitted to new & existing tooling*
- *Easy maintenance with slide-out trays*
- *Flexibility to use wheeled cart for distance when unloaded, switch to Lift Glides when loaded for precise movement*
- *Distribute the load over a larger area, reducing the risk of floor damage*



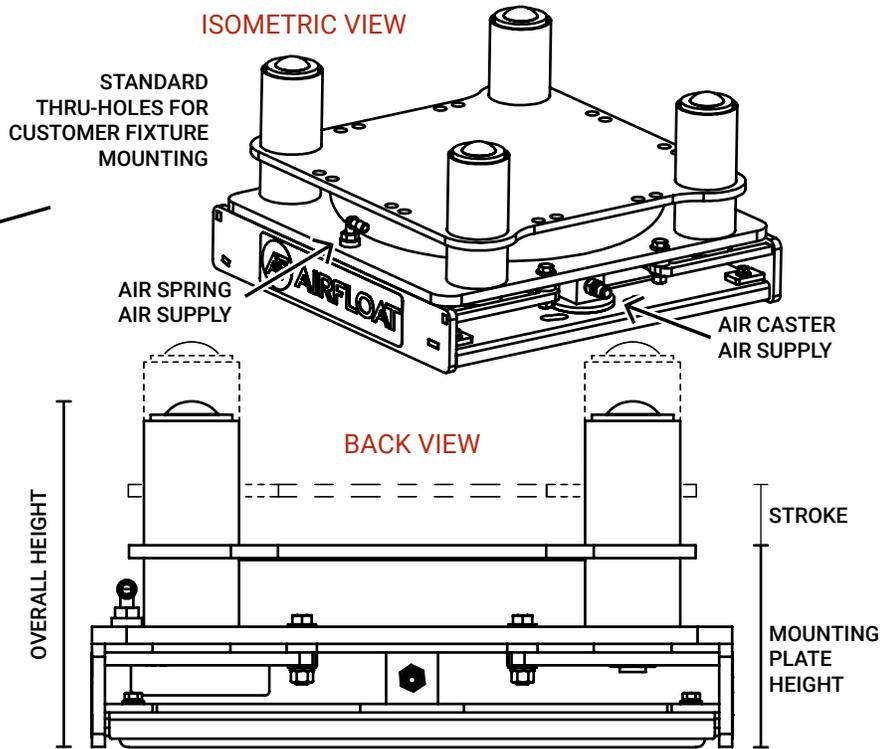
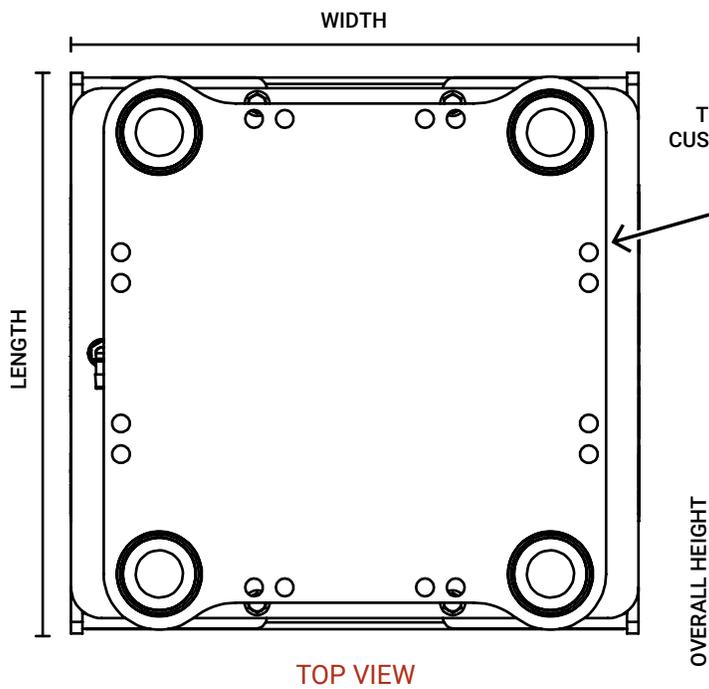
FITTED TO A LOAD OR FIXTURE

When fitted to a load or fixture, the Lift Glides can remain in the up position, keeping the load safe and secure on the floor. When needed, they lift and inflate for easy movement, then deflate to secure the load again.



FITTED TO A WHEELED CART

When fitted to a wheeled cart, they allow the cart to roll on its wheels when it's light or unloaded, which is useful when an air supply is unavailable or on rough flooring. When the load is too heavy, the Lift Glides can lift and inflate for easy movement.



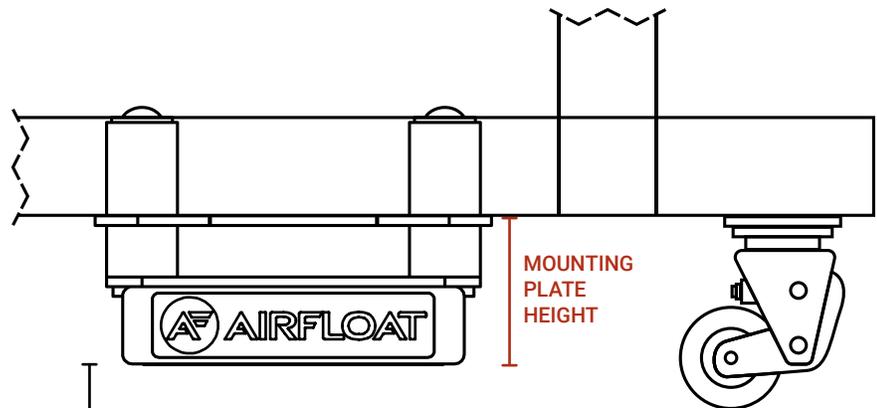
SET OF 4 AIR SKID LIFT GLIDES SPECIFICATIONS

| MODELS | SET OF 4 GLIDES | | STROKE | MOUNTING | SKID SIZE |
|-------------------------|--------------------------|-----------------------|-------------------|-----------------------|---|
| | CAPACITY | AIR FLOW | | PLATE HEIGHT | |
| STANDARD | CAPACITY | AIR FLOW | LIFT | DEFLATED ¹ | L x W x OVERALL HEIGHT ¹ |
| AF06012-4 12" CASTER | 10,000 lbs 4,536 kg | 44 SCFM 1,246 L/m | 2.88 in 73 mm | 5.75 in 146 mm | 15.28 x 14.3 x 9.94 in 388 x 363 x 252 mm |
| AF06017-4 17" CASTER | 18,000 lbs 8,165 kg | 64 SCFM 1,812 L/m | 2.88 in 73 mm | 5.88 in 149 mm | 18.5 x 18.3 x 10.06 in 470 x 465 x 256 mm |
| AF06020-4 20" CASTER | 32,000 lbs 14,515 kg | 72 SCFM 2,039 L/m | 2.88 in 73 mm | 6 in 152 mm | 21.5 x 21.3 x 12.06 in 546 x 541 x 306 mm |
| AF06024-4 24" CASTER | 48,000 lbs 21,772 kg | 88 SCFM 2,492 L/m | 2.88 in 73 mm | 7.13 in 181 mm | 25.75 x 25.3 x 15.06 in 654 x 643 x 383 mm |
| AF06030-4 30" CASTER | 85,000 lbs 38,555 kg | 112 SCFM 3,172 L/m | 2.88 in 73 mm | 8.63 in 219 mm | 31.75 x 31.5 x 15.9 in 806 x 800 x 404 mm |
| AF06036-4 36" CASTER | 125,000 lbs 56,699 kg | 140 SCFM 3,964 L/m | 2.375 in 60 mm | 9.13 in 232 mm | 37.75 x 37.5 x 15.9 in 959 x 953 x 404 mm |

1. Deflated height, inflated height adds approximately 1/16th in (1.6mm) to 1.5 in (38mm), depending on model.

INCLUDED WITH LIFT GLIDE SET

| PRODUCT | QUANTITY |
|-------------------------|----------|
| AIR SKIDS LIFT GLIDE | 4 |
| LIFT GLIDE CONTROLLER | 1 |
| 100FT HOSE & CLAMPS | 1 |
| SPARE AIR CASTER | 1 |
| EXTRA 100FT HOSE | OPTIONAL |
| CONTROLLER WITH DEADMAN | OPTIONAL |



INSTALL WITH 1/2" MINIMUM CLEARANCE WITH FLOOR



AIRFLOAT PLANKS



POWERED BY
COMPRESSED AIR



STANDARD CAPACITIES
306,000 LBS+



HEIGHT AS LOW AS
2.5 INCHES



OMNI-DIRECTIONAL
MOVEMENT

Air Planks are long, low-profile rectangular platforms placed under the load. When the Air Casters are inflated, they create a cushion of air that lifts the load, allowing for smooth, near-frictionless movement. Depending on the load's capacity and size, planks are used in sets of two or three to support and distribute the load evenly. They are available in lightweight aluminum or heavy-duty steel, with customizable lengths.

- *Lightweight aluminum or heavy-duty steel*
- *Add Planks for greater load flexibility*
- *Structural platform for load support*
- *Easy maintenance with slide-out trays*
- *Distribute the load over a larger area, reducing the risk of floor damage*
- *UHMW rest pads protect floor when deflated*



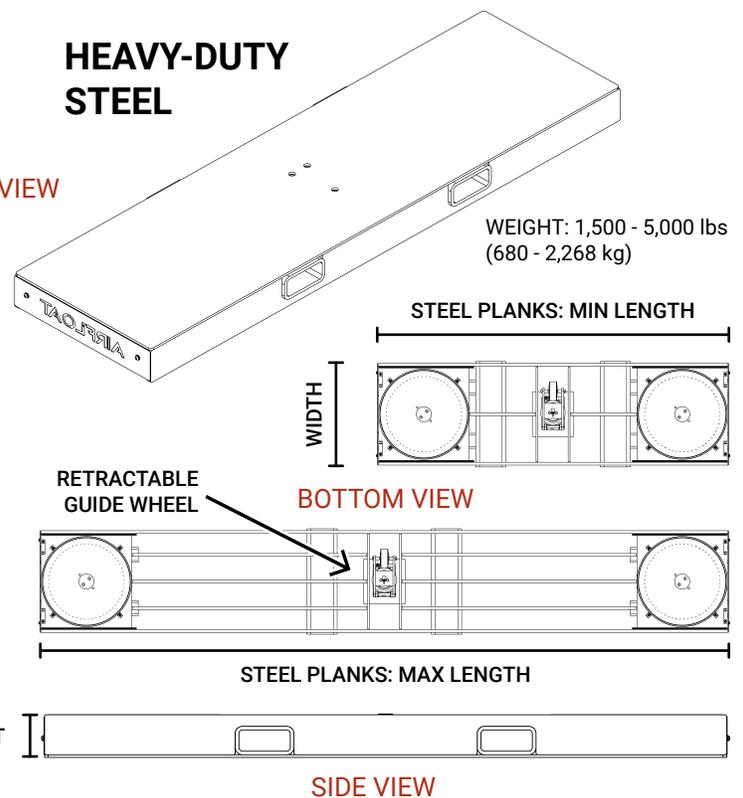
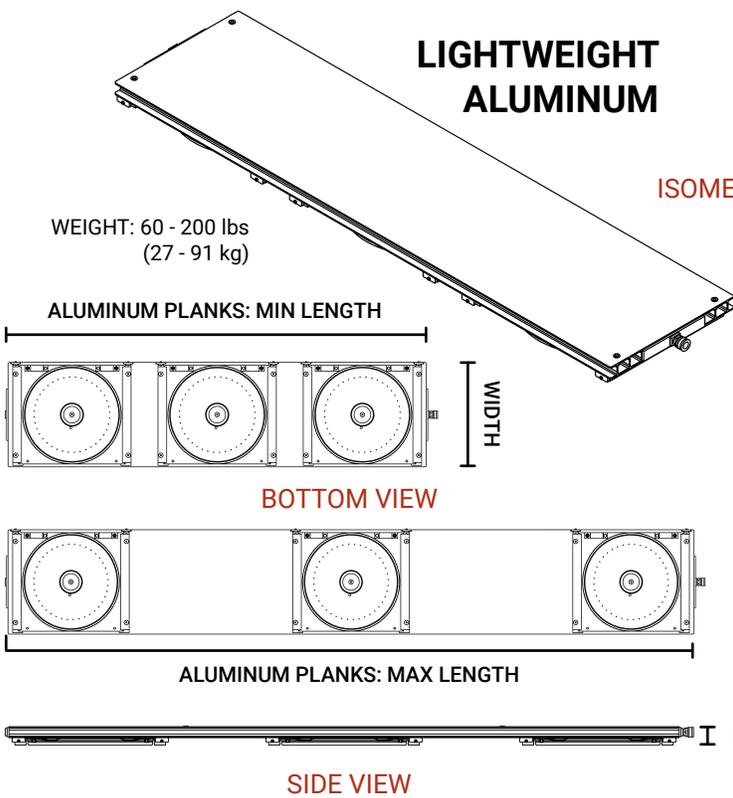
LIGHTWEIGHT ALUMINUM PLANKS

Constructed from extruded aluminum, our Aluminum Planks are a lightweight alternative to Steel Planks. Both are stackable for efficient storage, with the Aluminum Planks offering greater portability, as they can be carried by two people. (60 - 200 lbs)



HEAVY-DUTY STEEL PLANKS

Constructed from structural steel, these heavy-duty Steel Planks are highly durable and provide sturdy support for even the heaviest of loads. They are stackable for efficient storage and include fork pockets and a retractable guide wheel.



SET OF 2 & 3 AIR PLANKS SPECIFICATIONS

| | MODELS | SET OF 2 PLANKS | | SET OF 3 PLANKS | | PLANK SIZES | | |
|-----------------|-----------------------|--------------------------|-----------------------|---------------------------|------------------------|----------------------------------|--------------------|------------------|
| | | STANDARD | CAPACITY | AIR FLOW | CAPACITY | AIR FLOW | LENGTH | WIDTH |
| ALUMINUM PLANKS | AF04012 12" CASTER | 18,000 lbs 8,165 kg | 66 SCFM 1,869 L/m | 27,000 lbs 12,247 kg | 99 SCFM 2,803 L/m | 60 - 144 in 1,524 - 3,658 mm | 13 in 330 mm | 2.5 in 64 mm |
| | AF04017 17" CASTER | 37,500 lbs 17,010 kg | 96 SCFM 2,718 L/m | 56,250 lbs 25,515 kg | 144 SCFM 4,078 L/m | 60 - 144 in 1,524 - 3,658 mm | 18 in 457 mm | 2.5 in 64 mm |
| | AF04020 20" CASTER | 49,500 lbs 22,453 kg | 108 SCFM 3,058 L/m | 74,250 lbs 33,679 kg | 162 SCFM 4,587 L/m | 72 - 144 in 1,829 - 3,658 mm | 21 in 533 mm | 2.5 in 64 mm |
| | AF04024 24" CASTER | 75,000 lbs 34,019 kg | 164 SCFM 4,644 L/m | 112,500 lbs 51,029 kg | 246 SCFM 6,966 L/m | 84 - 144 in 2,134 - 3,658 mm | 24.75 in 629 mm | 2.5 in 64 mm |
| STEEL PLANKS | AF04124 24" CASTER | 47,000 lbs 21,319 kg | 110 SCFM 3,115 L/m | 70,500 lbs 31,978 kg | 165 SCFM 4,672 L/m | 96 - 156 in 2,438 - 3,962 mm | 27 in 686 mm | 6 in 152 mm |
| | AF04130 30" CASTER | 81,500 lbs 36,968 kg | 142 SCFM 4,021 L/m | 122,250 lbs 55,452 kg | 213 SCFM 6,031 L/m | 108 - 156 in 2,743 - 3,962 mm | 33 in 838 mm | 6 in 152 mm |
| | AF04136 36" CASTER | 121,000 lbs 54,885 kg | 172 SCFM 4,870 L/m | 181,500 lbs 82,327 kg | 258 SCFM 7,306 L/m | 120 - 168 in 3,048 - 4,267 mm | 39 in 991 mm | 6 in 152 mm |
| | AF04148 48" CASTER | 204,000 lbs 92,533 kg | 236 SCFM 6,683 L/m | 306,000 lbs 138,799 kg | 354 SCFM 10,024 L/m | 144 - 180 in 3,658 - 4,572 mm | 51 in 1,295 mm | 6.5 in 165 mm |

1. Deflated height, inflated height adds approximately 1/16th in (1.6mm) to 1.875 in (47.6mm), depending on model.

INCLUDED WITH AIR PLANK SET

| PRODUCT | QUANTITY | PRODUCT | QUANTITY |
|----------------------|----------|------------------|----------|
| AIR PLANKS | 2 or 3 | 32FT SINGLE HOSE | 2 or 3 |
| AIR PLANK CONTROLLER | 1 | SPARE AIR CASTER | 1 |
| DEADMAN PENDANT | 1 | | |



AIRFLOAT UTILITY PLATFORM



 **POWERED BY
COMPRESSED AIR**

 **CAPACITIES UP TO
12,000 LBS**

 **HEIGHT AS LOW AS
3 INCHES**

 **CUSTOMIZABLE
PLATFORM**

Utility Platforms are customizable, low-profile platforms operated by a single operator. These walk-behind platforms use Air Casters that, when inflated, create a cushion of air, lifting the load and allowing for smooth, near-frictionless movement. Utility Platforms provide structural support and can be tailored to meet specific load requirements. They can also be paired with lift tables for height variations and equipped with chocks for securing rolls.

- **Structural platform for load support**
- **Optional chocks for securing rolls**
- **Retractable guide wheel for straight line movement**
- **UHMW rest pads protect floor when deflated**
- **Distribute the load over a larger area, reducing the risk of floor damage**



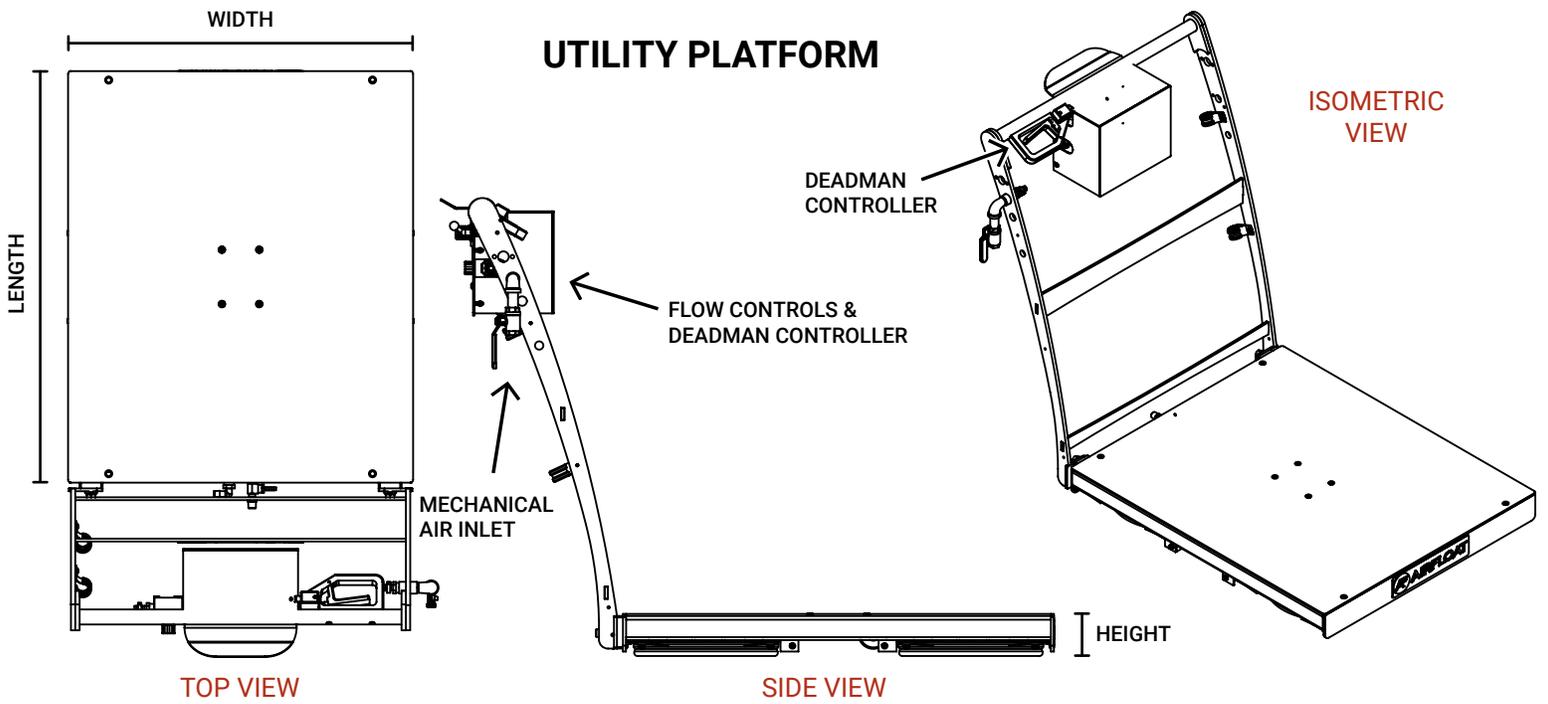
INTEGRATE ERGONOMIC EQUIPMENT

Utility Platforms can be combined with other ergonomic equipment, such as lift tables. Lift tables can be adjusted to the optimal height for loading and unloading, while the Utility Platform makes it easy to move and position the load.



MOVE ROLLS WITH UTILITY PLATFORMS

Utility Platforms offer excellent structural support, making them ideal for rolls, with chocks for secure placement and an extended handle to accommodate larger rolls. Additionally, they can be paired with lift tables for added versatility.

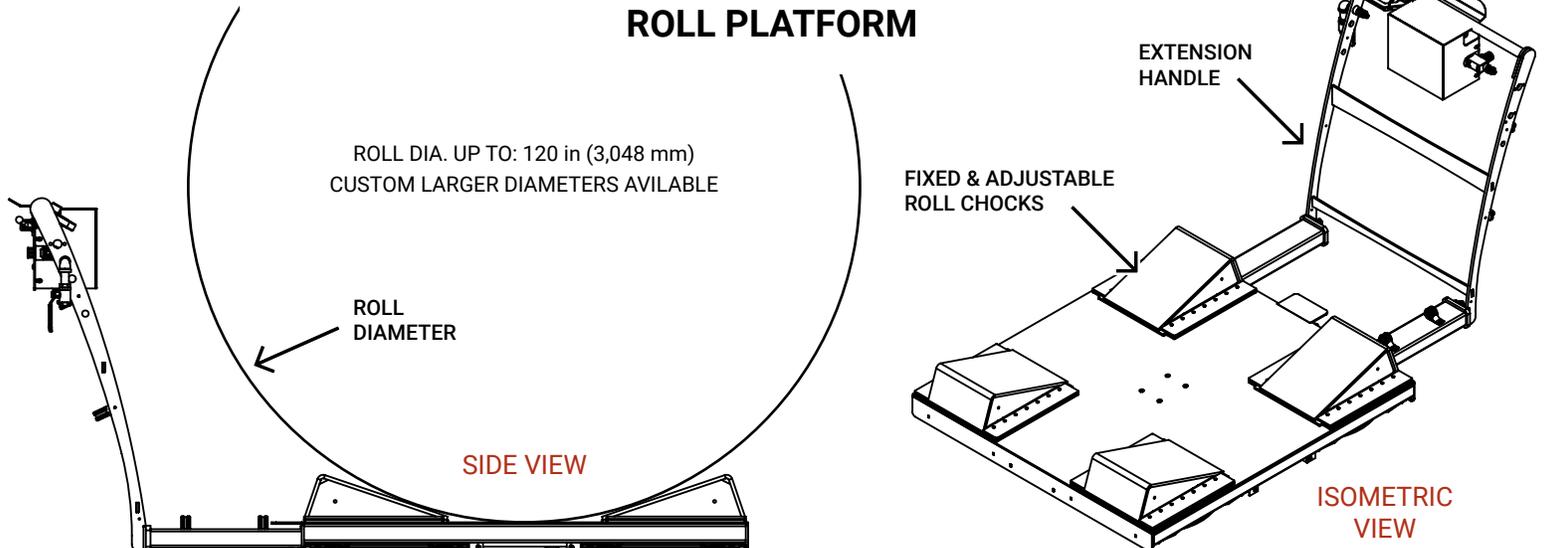


UTILITY PLATFORM SPECIFICATIONS

| MODELS | CAPACITY | AIR FLOW | LENGTH | WIDTH | HEIGHT |
|------------------------|------------------------|----------------------|---------------------------------|-------------------|-----------------------|
| STANDARD | TOTAL | AIR FLOW | MIN - MAX ¹ | | DEFLATED ² |
| AF020-30 12" CASTER | 8,000 lbs 3,629 kg | 44 SCFM 1,246 L/m | 30 - 60 in 762 - 1,524 mm | 30 in 762 mm | 3 in 76 mm |
| AF020-36 12" CASTER | 8,000 lbs 3,629 kg | 44 SCFM 1,246 L/m | 36 - 72 in 914 - 1,829 mm | 36 in 914 mm | 3 in 76 mm |
| AF020-42 17" CASTER | 12,000 lbs 5,443 kg | 64 SCFM 1,812 L/m | 42 - 84 in 1,067 - 2,134 mm | 42 in 1,067 mm | 3 in 76 mm |
| AF020-48 17" CASTER | 12,000 lbs 5,443 kg | 64 SCFM 1,812 L/m | 48 - 96 in 1,219 - 2,438 mm | 48 in 1,219 mm | 3 in 76 mm |
| AF020-60 17" CASTER | 12,000 lbs 5,443 kg | 64 SCFM 1,812 L/m | 60 - 120 in 1,524 - 3,048 mm | 60 in 1,524 mm | 3 in 76 mm |

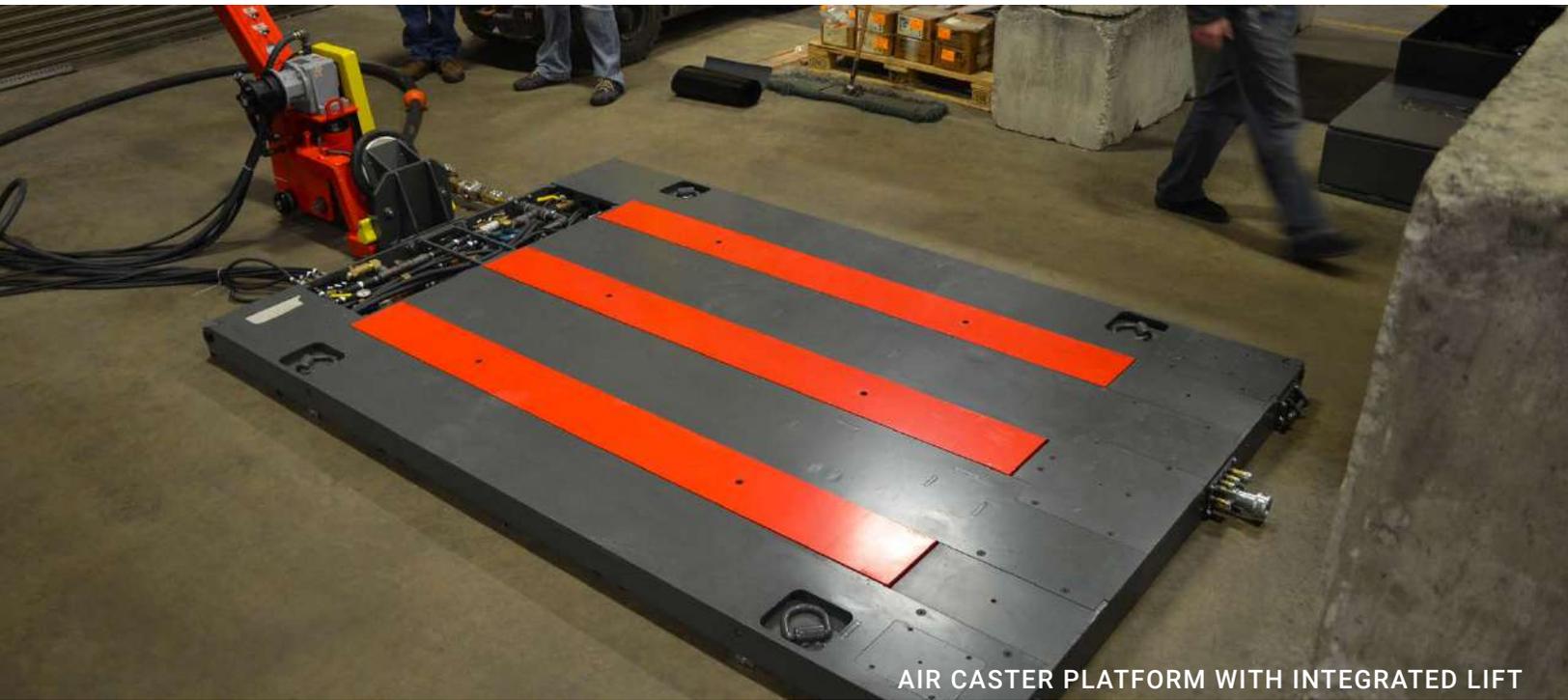
CUSTOM PLATFORM SIZES, CAPACITIES, AND CONFIGURATIONS AVAILABLE

1. Standard lengths available in 6" increments. 2. Inflated height adds approximately 1/16th in (1.6mm) to 1 in (25mm), depending on model.





AIRFLOAT PLATFORM



AIR CASTER PLATFORM WITH INTEGRATED LIFT



POWERED BY
COMPRESSED AIR



STANDARD CAPACITIES
120,000 LBS+



HEIGHT AS LOW AS
5 INCHES



CUSTOMIZABLE
PLATFORM

Air Platforms are a two-part system consisting of a load-carrying platform and a push-pull tugger, allowing a single operator to move heavy loads with ease. The platform provides structural support and can be customized to meet specific load requirements. Loads can be placed directly on the platform or, with a secondary lift, the Air Platform can slide under the load or pallet, lifting it off the floor for transport.

- *Walk-behind pneumatic push-pull tugger*
- *Structural platform for load support*
- *Retractable guide wheel offered for straight line movement*
- *Easy maintenance with slide-out trays*
- *Optional lift deck for pallet raising*



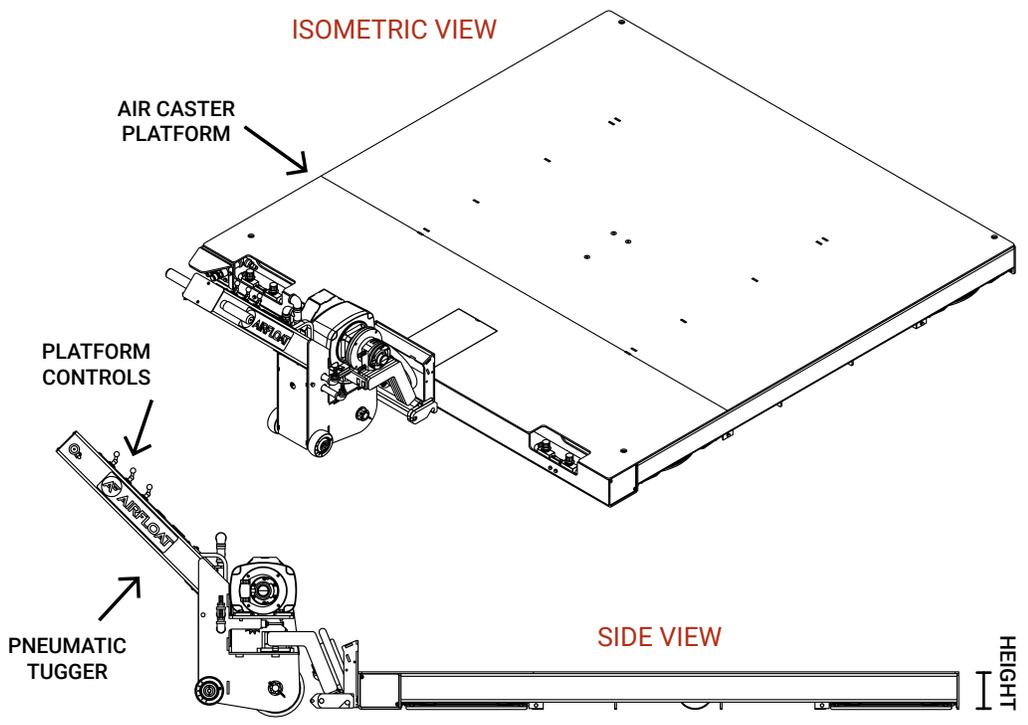
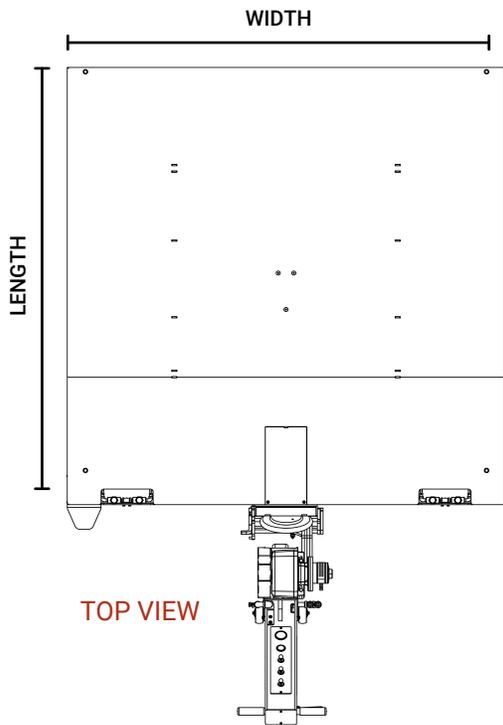
PNEUMATIC PUSH-PULL TUGGER

The pneumatic tugger hitches onto the platform and, using quick connects, supplies air to the platform, with all controls located on the tugger. It can push and pull loads, offering variable control for precise movements.



EFFICIENT LOADING WITH INTEGRATED LIFT

Placing the load directly onto the platform is possible, but a secondary lift is often used. Loads are placed on large pallets, allowing the Air Platform to be driven underneath, lifted off the floor, and moved with the tugger.

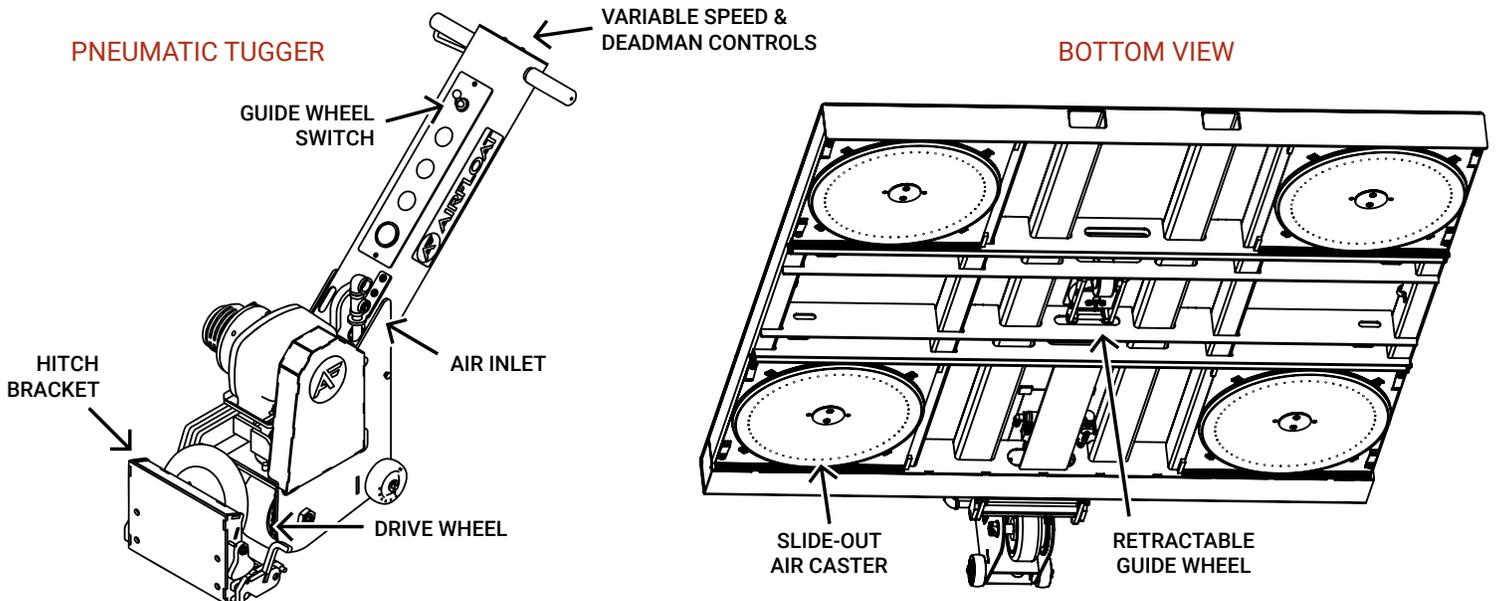


AIR CASTER PLATFORM SPECIFICATIONS

| MODELS | CAPACITY | AIR FLOW | LENGTH | WIDTH | HEIGHT |
|---------------------|--------------------------|-----------------------|---------------------------------|---------------------------------|-----------------------|
| STANDARD | TOTAL | AIR FLOW | MIN - MAX ¹ | MIN - MAX ¹ | DEFLATED ² |
| AF030 17" CASTER | 22,000 lbs 9,979 kg | 48 SCFM 1,359 L/m | 48 - 144 in 1,219 - 3,658 mm | 48 - 84 in 1,219 - 2,134 mm | 5 in 127 mm |
| AF031 24" CASTER | 45,000 lbs 20,412 kg | 66 SCFM 1,869 L/m | 60 - 144 in 1,524 - 3,658 mm | 60 - 96 in 1,524 - 2,438 mm | 5 in 127 mm |
| AF032 30" CASTER | 80,000 lbs 36,287 kg | 85 SCFM 2,407 L/m | 76 - 156 in 1,930 - 3,962 mm | 76 - 108 in 1,930 - 2,743 mm | 7 in 178 mm |
| AF033 36" CASTER | 120,000 lbs 54,431 kg | 100 SCFM 2,832 L/m | 86 - 210 in 2,184 - 5,334 mm | 86 - 132 in 2,184 - 3,353 mm | 7 in 178 mm |

CUSTOM PLATFORM SIZES, CAPACITIES, AND CONFIGURATIONS AVAILABLE

1. Standard lengths available in 6" increments. 2. Inflated height adds approximately 1/16th in (1.6mm) to 1.5 in (38mm), depending on model.





AIRFLOAT TRANSPORTER



 **POWERED BY COMPRESSED AIR**

 **STANDARD CAPACITIES 200,000 LBS+**

 **HEIGHT AS LOW AS 10 INCHES**

 **CUSTOMIZABLE PLATFORM**

Air Transporters are an all-in-one system consisting of a load-carrying platform with an integrated drive system. Unlike the Air Platform, which requires a tugger, the Air Transporter uses a tethered hand pendant. The platform provides structural support to the load and can be customized to specific load requirements. The load can be placed directly on the platform or secondary lift, can slide under the load or pallet, lifting it off the floor for transport.

- *Integrated drive with pendant controller*
- *Structural platform for load support*
- *Easy maintenance with slide-out trays*
- *Distribute the load over a larger area, reducing the risk of floor damage*



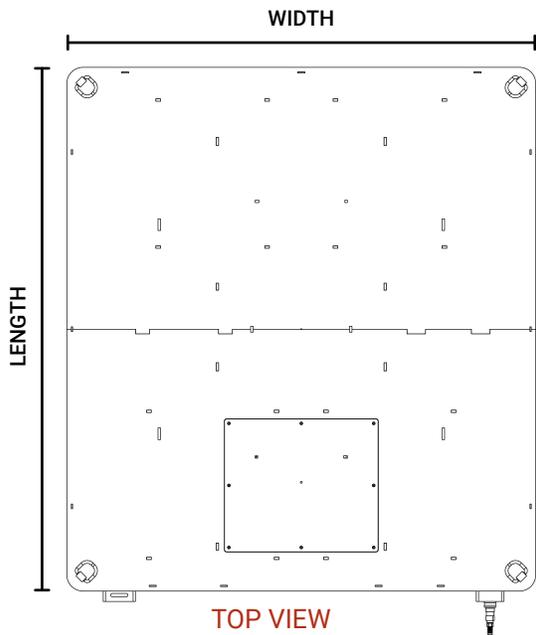
INTEGRATED DRIVES AND HAND PENDANT

Depending on the setup, one or more pneumatic drives are integrated into the platform and controlled by a tethered hand pendant, providing the operator with greater flexibility in positioning. If included, it also controls the secondary lift.

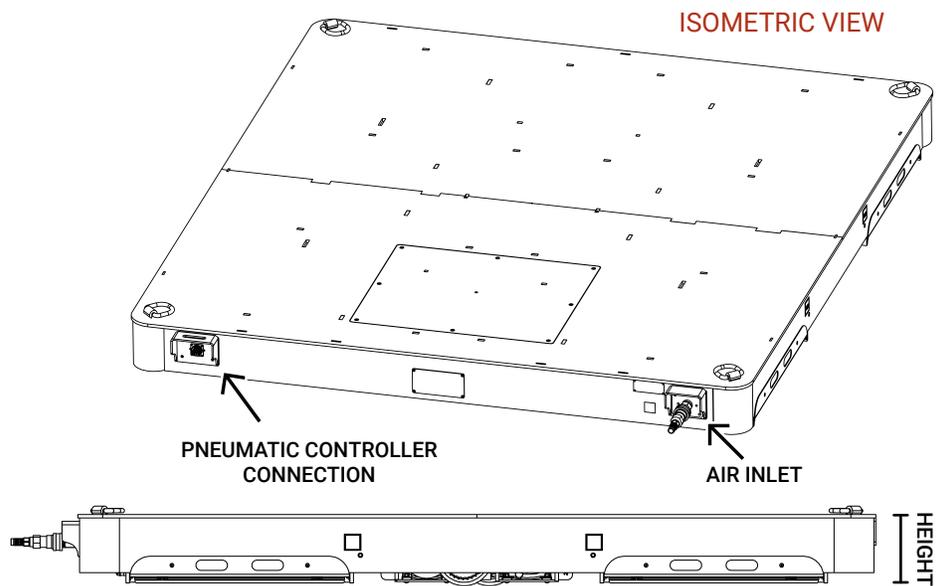


EFFICIENT LOADING WITH SECONDARY LIFT

Placing the load directly onto the platform is possible, but a secondary lift is often included. Loads are placed on large pallets, allowing the Air Platform to be driven underneath, lifted off the floor, and moved with the controller.



TOP VIEW



SIDE VIEW

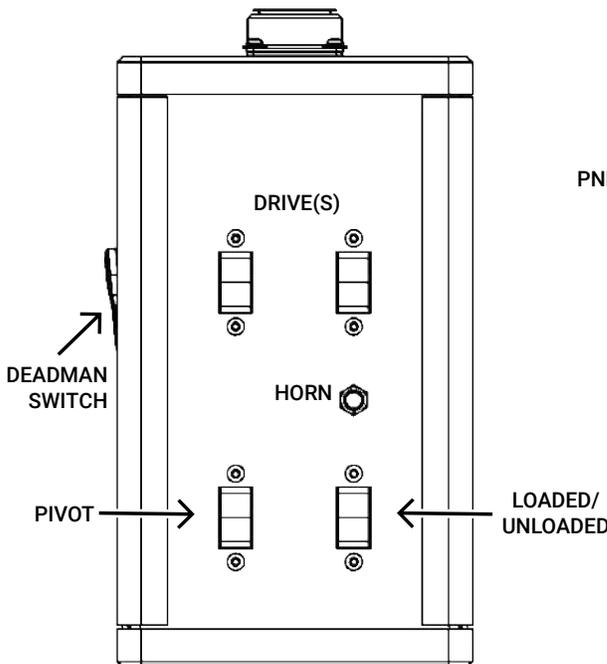
AIR CASTER TRANSPORTER SPECIFICATIONS

| MODELS | CAPACITY | AIR FLOW | LENGTH | WIDTH | HEIGHT |
|---------------------|--------------------------|-----------------------|----------------------------------|----------------------------------|-----------------------|
| STANDARD | TOTAL | AIR FLOW | MIN - MAX ¹ | MIN - MAX ¹ | DEFLATED ² |
| AF070 24" CASTER | 45,000 lbs 20,412 kg | 66 SCFM 1,869 L/m | 96 - 196 in 2,438 - 4,978 mm | 96 - 144 in 2,438 - 3,658 mm | 10 in 254 mm |
| AF071 30" CASTER | 80,000 lbs 36,287 kg | 85 SCFM 2,407 L/m | 96 - 196 in 2,438 - 4,978 mm | 96 - 144 in 2,438 - 3,658 mm | 10 in 254 mm |
| AF072 36" CASTER | 120,000 lbs 54,431 kg | 100 SCFM 2,832 L/m | 144 - 196 in 3,658 - 4,978 mm | 120 - 196 in 3,048 - 4,978 mm | 10 in 254 mm |
| AF073 48" CASTER | 200,000 lbs 90,718 kg | 140 SCFM 3,964 L/m | 144 - 196 in 3,658 - 4,978 mm | 144 - 196 in 3,658 - 4,978 mm | 10 in 254 mm |

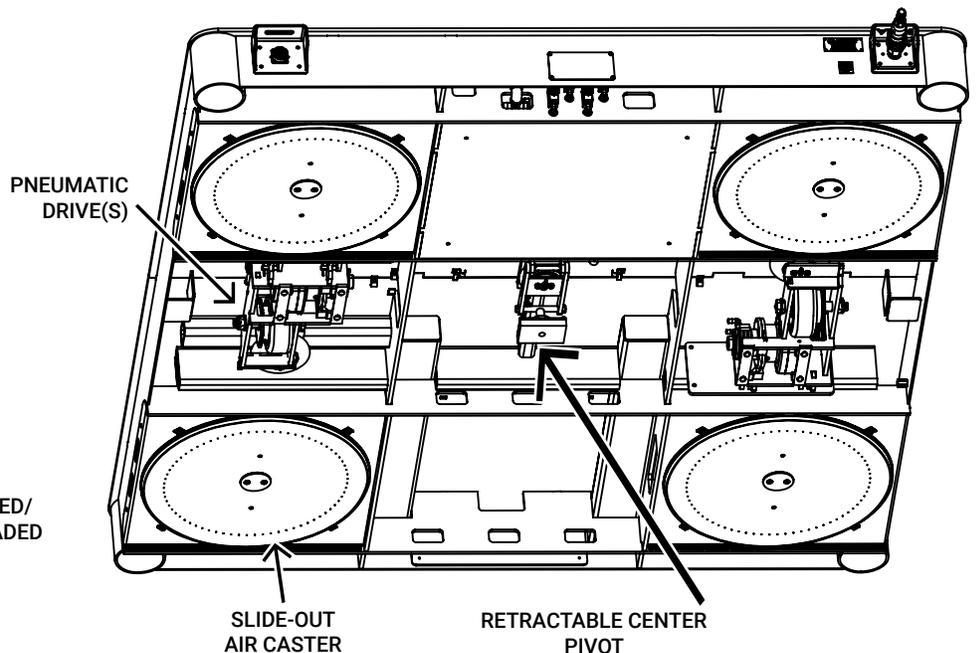
CUSTOM PLATFORM SIZES, CAPACITIES, AND CONFIGURATIONS AVAILABLE

1. Standard lengths available in 6" increments. 2. Inflated height adds approximately 0.6875 in (17.5mm) to 1.875 in (47.6mm), depending on model.

PNEUMATIC TUGGER



BOTTOM VIEW





AIRFLOAT ROLL MOVER



POWERED BY
COMPRESSED AIR



STANDARD CAPACITIES
12,000 LBS



CUSTOMIZABLE
FORKS



OMNI-DIRECTIONAL
MOVEMENT

Roll Movers are U-shaped platforms designed to lift and transport heavy rolls. They slide under the roll from both sides, cradling it securely. A secondary lift raises the roll directly from the floor, allowing it to be moved. The roll is lifted by Air Casters that, when inflated, create a cushion of air for smooth, near-frictionless movement. Available in both fixed and adjustable models, they accommodate a variety of roll sizes.

- *Roll diameters up to 96 inches*
- *Quickly lift roll right off the floor*
- *Fixed and adjustable roll options*
- *Easy maintenance with slide-out trays*
- *Distribute the load over a larger area, reducing the risk of floor damage*



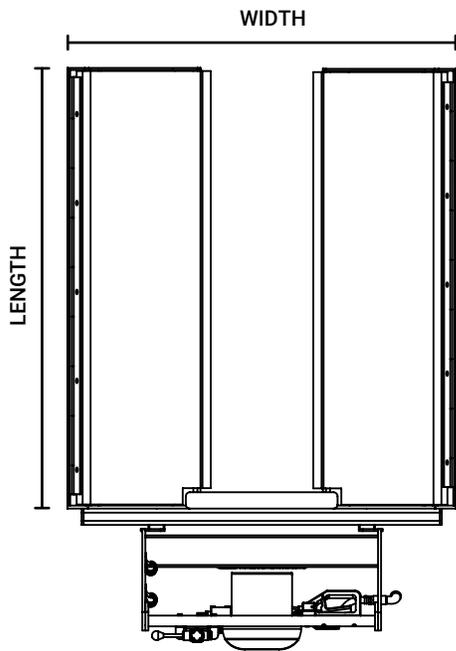
FIXED AIR CASTER ROLL MOVER

The Fixed Air Caster Roll Mover has a “fixed” design meaning the cradle remains stationary without adjustable positioning or rotation, ensuring even the heaviest rolls are securely moved and positioned.

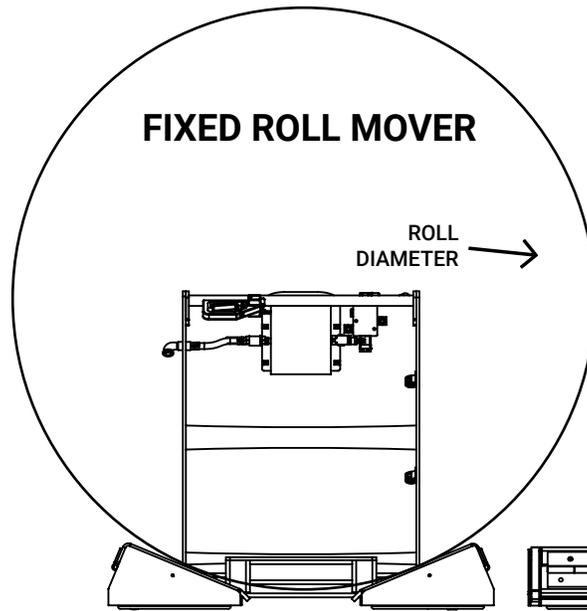


ADJUSTABLE AIR CASTER ROLL MOVER

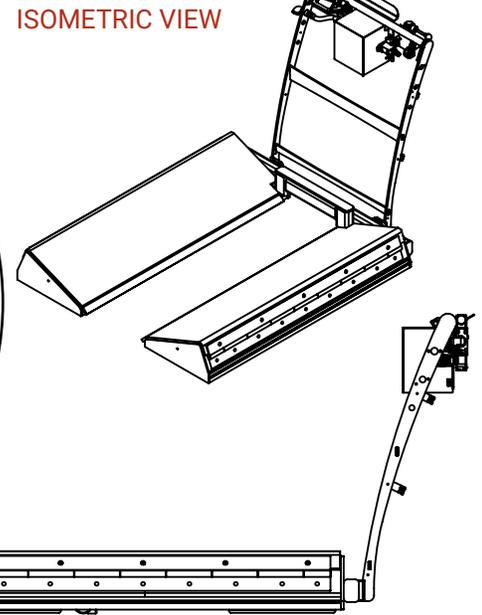
The Adjustable Air Caster Roll Mover is designed for flexible handling, featuring a cradle that can be tilted, rotated, or adjusted to move rolls of varying sizes for roll positioning and transport.



TOP VIEW



FRONT VIEW



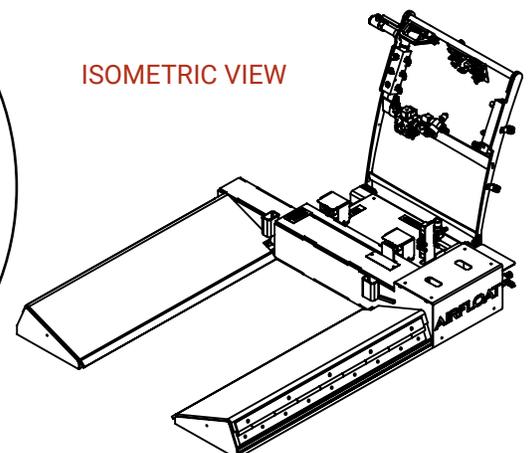
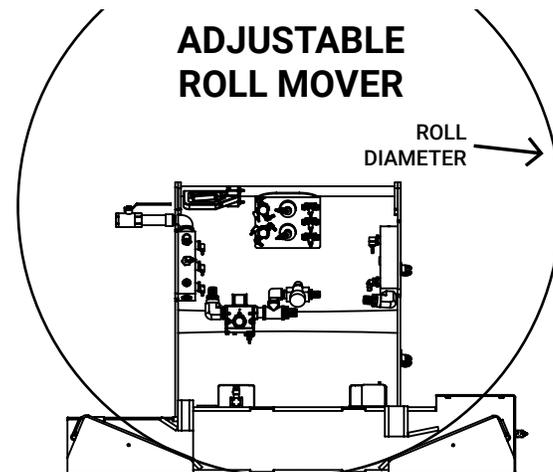
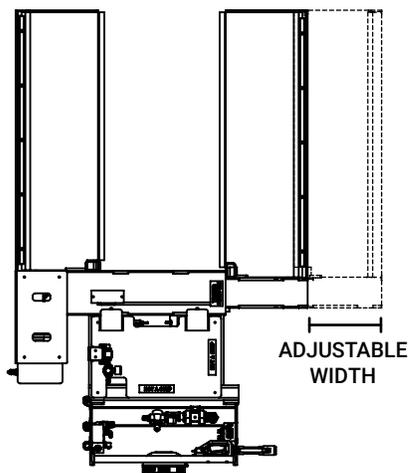
ISOMETRIC VIEW

AIR ROLL MOVER SPECIFICATIONS

| MODELS | CAPACITY | FIXED CRADLE | | ADJ. CRADLE | | CRADLE SIZE | | STROKE |
|--------------------------|-----------------------|-------------------|----------------------|--------------------------------|-----------------------|-------------------|-------------------|-------------------|
| | | DIAMETER | AIR FLOW | DIAMETER | AIR FLOW | LENGTH | WIDTH | |
| STANDARD | TOTAL | | | | | | | LIFT ¹ |
| AF08X-3642 10" CASTER | 5,000 lbs 2,268 kg | 36 in 914 mm | 48 SCFM 1,359 L/m | 24 - 36 in 610 - 914 mm | 80 SCFM 2,265 L/m | 36 in 914 mm | 36 in 914 mm | 1 in 25 mm |
| AF08X-4854 12" CASTER | 5,000 lbs 2,268 kg | 48 in 1,219 mm | 54 SCFM 1,529 L/m | 36 - 48 in 914 - 1,219 mm | 100 SCFM 2,832 L/m | 48 in 1,219 mm | 48 in 1,219 mm | 1 in 25 mm |
| AF08X-6054 12" CASTER | 5,000 lbs 2,268 kg | 60 in 1,524 mm | 54 SCFM 1,529 L/m | 48 - 60 in 1,219 - 1,524 mm | 100 SCFM 2,832 L/m | 48 in 1,219 mm | 48 in 1,219 mm | 1.5 in 38 mm |
| AF08X-7272 14" CASTER | 5,000 lbs 2,268 kg | 72 in 1,829 mm | 62 SCFM 1,756 L/m | 60 - 72 in 1,524 - 1,829 mm | 120 SCFM 3,398 L/m | 60 in 1,524 mm | 60 in 1,524 mm | 1.5 in 38 mm |
| AF08X-8472 14" CASTER | 5,000 lbs 2,268 kg | 84 in 2,134 mm | 62 SCFM 1,756 L/m | 72 - 84 in 1,829 - 2,134 mm | 120 SCFM 3,398 L/m | 60 in 1,524 mm | 60 in 1,524 mm | 2 in 51 mm |
| AF08X-9696 14" CASTER | 5,000 lbs 2,268 kg | 96 in 2,438 mm | 62 SCFM 1,756 L/m | 84 - 96 in 2,134 - 2,438 mm | 120 SCFM 3,398 L/m | 72 in 1,829 mm | 72 in 1,829 mm | 2 in 51 mm |

CUSTOM PLATFORM SIZES, CAPACITIES, AND CONFIGURATIONS AVAILABLE

1. Standard lengths available in 6" increments. 2. Inflated height adds approximately 0.6875 in (17.5mm) to 1.875 in (47.6mm), depending on model.



ISOMETRIC VIEW



MATERIAL HANDLING CATALOG

ALIGN PRODUCTS



TURNTABLES

31-32 [AIR CASTER TURNTABLE](#)

33-36 [MECHANICAL TURNTABLE](#)



POSITIONERS

37-38 [HEAD AND TAILSTOCK](#)

39-40 [HYDRAULIC UPENDER](#)



ERGONOMIC

41-42 [ERGONOMIC EQUIPMENT](#)



LOCATED IN THE
MIDWEST



SCALE OF MANUFACTURING
65,000 SQ. FT.



FOUNDED IN 1967
55+ YEARS



LEADER IN
AUTOMATION

FULL SERVICE SOLUTION

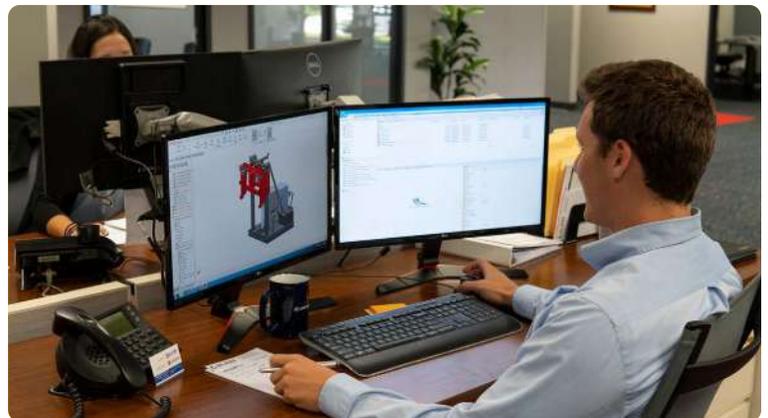
Align Production Systems designs and builds heavy-duty material handling equipment for industrial environments. From AGVs and turntables to ergonomic tools, we help manufacturers move large, heavy loads safely and efficiently. Our AGV systems are designed to automate material flow, reduce downtime, and support long-term production goals. We offer both standard and custom solutions from our in-house design and build teams.

- ***AGV Automation Solutions***
- ***Custom Engineering Solutions***
- ***Made in the USA***
- ***Support and Training Services***
- ***Tailored For Your Needs***



AUTOMATION TECHNOLOGY

Our AGV technology automates material movement in heavy-industry with customizable, battery-powered vehicles equipped with LIDAR navigation and safety systems. AGVs improve uptime, reduce manual labor, and improve productivity.



CUSTOM SOLUTIONS

We design and build custom equipment tailored to your specific load, space, and workflow requirements. From concept to installation, our in-house engineering and fabrication teams ensure each solution fits your operation precisely.



OUR AGVS



NAVIGATION

AGV navigation relies on predefined paths guided by technologies like reflectors, magnetic bars, or visual markers to ensure predictable movement. This prevents unexpected detours, and supports consistent material flow.



SAFETY

Our AGVs are equipped with advanced safety features such as scanners, lights, and audible alerts to detect obstacles and alert operators. They can slow down or stop when needed, creating a safer environment for both operators and equipment.



SERVICE

Align offers full service and support for the AGVs we provide, ensuring long-term performance and reliability. Our team can assist with maintenance, troubleshooting, and software updates, keeping your system running smoothly.



INSTALLATION

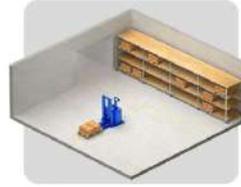
Our team works directly with you to install AGVs at your facility, ensuring the system is tailored to your layout and operational needs. We also provide on-site training to equip your staff with the knowledge to operate and maintain the system effectively.

NAVIGATION



REFLECTOR

Reflector navigation uses reflectors and laser scanning for precise triangulation, ideal for structured, mapped facilities.



MAGNETIC

Magnetic bar navigation embeds a durable magnetic strip into the floor for reliable path following in high-traffic areas.



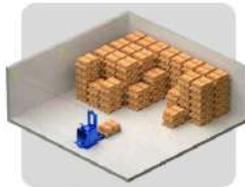
NATURAL

Natural feature navigation relies on onboard sensors and existing building features, perfect for dynamic or evolving facilities.



QR CODE

QR code navigation provides pinpoint precision at fixed location intervals, such as workstations.



HYBRID

Hybrid navigation systems combine methods to provide flexibility for complex layouts and routes.

SAFETY



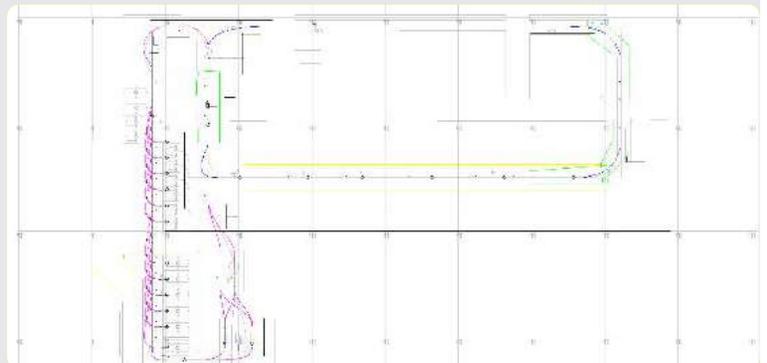
We design AGVs with built-in safety features that protect both operators and equipment. Each vehicle includes LiDAR safety scanners that detect people or obstacles and automatically slow or stop the AGV. Emergency stop buttons are located on the vehicle and remote to allow immediate shutdown, and additional safety accessories can be customized to meet specific facility needs.

SOFTWARE



SYSTEM MANAGER

Controls all AGVs in the system, directing their traffic and operations. System Manager also interfaces with customer host systems (WMS, MES, ERP, etc.) to relay data between the host and the AGVs.



CWAY SOFTWARE

CWay is an operator interface that visualizes the System Manager by displaying AGV traffic, status, I/O, and order flow in real time. Operators can interact with it, choosing what specific information to display and taking action when needed.



AIR CASTER TURNTABLE



 **POWERED BY
PNEUMATICS**

 **CAPACITIES UP TO
16,000 LBS**

 **HEIGHT AS LOW AS
7 INCHES**

 **COMPATIBLE WITH
ROBOTS**

Available in both round and square configurations, these low-profile turntables use Airfloat Air Caster technology to create a layer of air between the base and the table top—allowing smooth nearly frictionless, precise rotation of heavy loads. Designed to keep production lines moving, Air Caster Turntables enable simultaneous loading and unloading while maintaining safe separation between workers, forklifts, and robotic systems.

- **Lower cost compared to mechanical turntables**
- **Custom table tops**
- **Easy maintenance with slide-out air caster trays**
- **Custom sizes and capacities available**



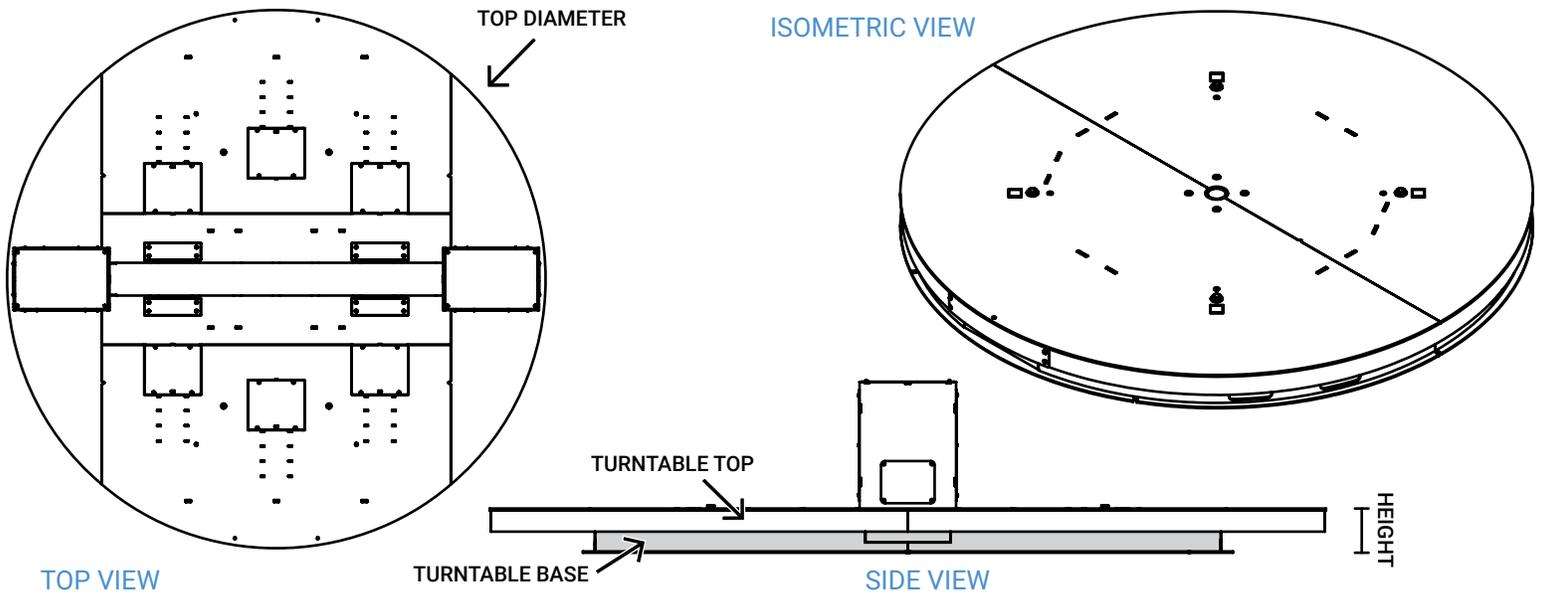
ROUND TURNTABLE

Round Air Caster Turntables feature a circular top that allows smooth, controlled rotation while supporting the load. The design eliminates swing radius and risk of operator impact. The turntable top can be customized for your operational needs.



SQUARE TURNTABLE

Square Air Caster Turntables feature a compact base with a square top, allowing the load to extend beyond the turntable footprint. They are most commonly used for racking systems between operators and robotic systems.



HIGH SPEED AIR CASTER TURNTABLE SPECIFICATIONS

| MODEL NO. | CAPACITY | AIR FLOW | CYCLE TIME | CASTER | BASE SIZE | HEIGHT |
|---------------------------|------------------------|----------------------|-------------|---------------|--------------------|--------------------|
| AX04X | TOTAL | AVERAGE | 180° LOADED | DIAMETER | DIAMETER | DEFLATED |
| AX020-0108 12" CASTERS | 10,000 lbs 4,536 kg | 60 SCFM 1,699 L/m | 6 SECONDS | 12" 305 mm | 72 in 1,829 mm | 8.375 in 213 mm |
| AX020-0120 12" CASTERS | 10,000 lbs 4,536 kg | 60 SCFM 1,699 L/m | 6.5 SECONDS | 12" 305 mm | 84 in 2,134 mm | 8.375 in 213 mm |
| AX020-0132 14" CASTERS | 10,000 lbs 4,536 kg | 75 SCFM 2,124 L/m | 6.5 SECONDS | 14" 356 mm | 96 in 2,438 mm | 8.375 in 213 mm |
| AX020-0144 14" CASTERS | 10,000 lbs 4,536 kg | 75 SCFM 2,124 L/m | 7 SECONDS | 14" 356 mm | 108 in 2,743 mm | 8.375 in 213 mm |
| AX020-0156 14" CASTERS | 10,000 lbs 4,536 kg | 75 SCFM 2,124 L/m | 7 SECONDS | 14" 356 mm | 120 in 3,048 mm | 8.375 in 213 mm |

CUSTOM TOPS AVAILABLE, CUSTOMIZED TO YOUR REQUIREMENTS

1. Inflated height adds approximately .25"(6mm) to 1" (25mm), depending on model.



HIGH SPEED TURNTABLE

High-Speed Air Caster Turntables enable rapid, precise rotation with 180° cycles in as little as 6 seconds. Powered by Airfloat technology, they move heavy loads with minimal friction—ideal for improving work cell efficiency and meeting fast-paced production demands.



CUSTOM RACKING

Custom racking can be added to turntables to securely hold and position parts during rotation, tailored to fit specific components or assemblies. These racks are designed around your product dimensions, ensuring safe, repeatable handling while maximizing space and workflow efficiency.



MECHANICAL TURNTABLE



 **POWERED BY
ELECTRICITY**

 **CAPACITIES UP TO
150,000 LBS**

 **HEIGHT AS LOW AS
16 INCHES**

 **DESIGNED FOR
AUTOMATION**

Mechanical Turntables are built for durability, efficiency, and seamless integration into automation systems. With minimal moving parts and a slewing style bearing, they support both continuous and cycle-on-demand operation while reducing maintenance and downtime. Standard models handle varying capacities and can be customized with oversized table tops or additional support wheels to fit specific applications.

- **Support wheels for larger tables sizes**
- **Slip ring for providing power to table top**
- **Custom sizes and capacities available**
- **Easy access to internal components**
- **Table edge accuracy up to 0.04"**



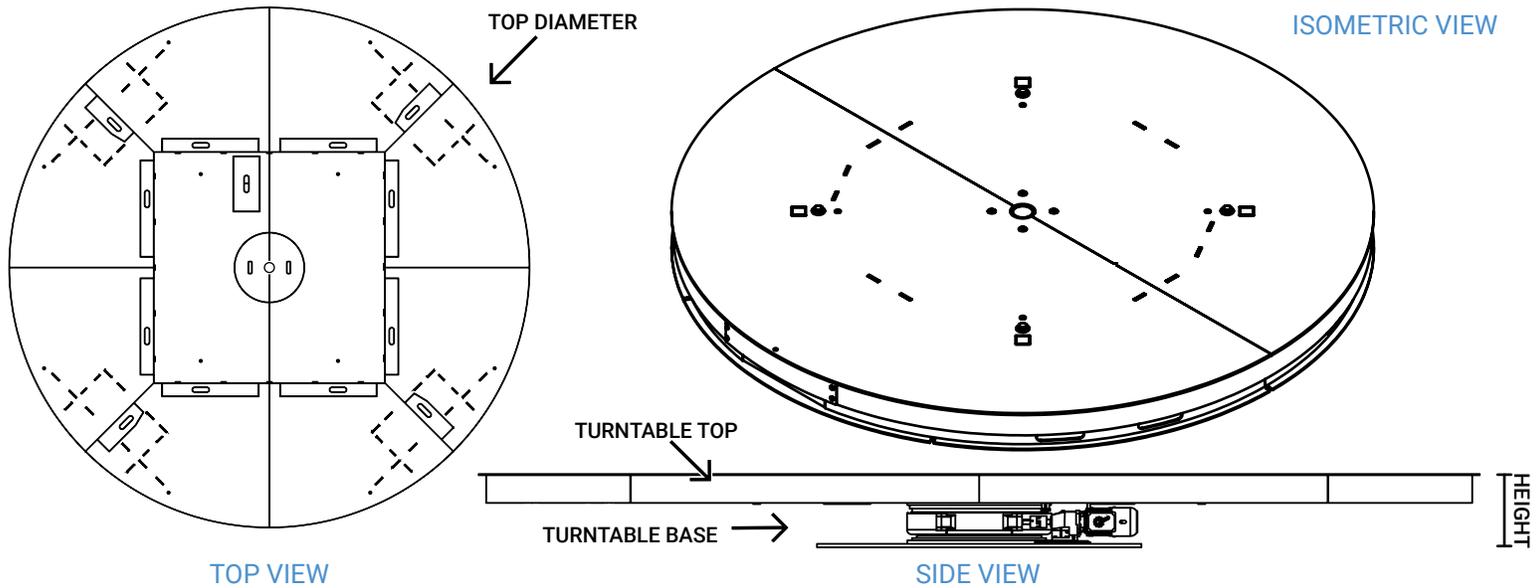
PRECISION MECHANICAL TURNTABLE

Precision Mechanical Turntables are made for applications requiring accurate, repeatable positioning with minimal backlash. Ideal for automated manufacturing environments, they offer high torque capacity and smooth motion control.



HEAVY DUTY MECHANICAL TURNTABLE

Heavy Duty Mechanical Turntables handle loads up to 150,000 lbs, ideal for demanding industrial environments. Built with rugged components and large-diameter slewing bearings, they ensure reliable rotation and long-term performance.



MECHANICAL TURNTABLE SPECIFICATIONS

| MODELS | CAPACITY | TOP SIZE | BASE SIZE | HEIGHT | RPM | ACCURACY |
|---------------|-------------------------|--------------------|--------------------------------|-----------------------|---------------|-----------------|
| APS060 | TOTAL | DIAMETER | DIAMETER | DEFLATED ¹ | MIN-MAX | DEGREES |
| APS060-0072 | 35,000 lbs 15,876 kg | 72 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS060-0084 | 35,000 lbs 15,876 kg | 84 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS060-0096 | 35,000 lbs 15,876 kg | 96 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS060-0108 | 35,000 lbs 15,876 kg | 108 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS060-0120 | 35,000 lbs 15,876 kg | 120 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS060-0132 | 35,000 lbs 15,876 kg | 132 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS060-0144 | 35,000 lbs 15,876 kg | 144 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS061-0156 | 35,000 lbs 15,876 kg | 156 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS061-0168 | 35,000 lbs 15,876 kg | 168 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS061-0180 | 35,000 lbs 15,876 kg | 180 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS061-0192 | 35,000 lbs 15,876 kg | 192 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS061-0204 | 35,000 lbs 15,876 kg | 204 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |
| APS061-0216 | 35,000 lbs 15,876 kg | 216 in 0,000 mm | 70 - 70 in 0,000 - 0,000 mm | 16 in 406 mm | 0.5 - 2.2 RPM | 0.3° |

CUSTOM SQUARE TURNTABLE TOPS AVAILABLE, CUSTOMIZED TO YOUR RACK/LOAD REQUIREMENTS.

1. Text



MECHANICAL TURNTABLE



 **POWERED BY
ELECTRICITY**

 **CAPACITIES UP TO
150,000 LBS**

 **HEIGHT AS LOW AS
16 INCHES**

 **DESIGNED FOR
AUTOMATION**

Mechanical Turntables are built for durability, efficiency, and seamless integration into automation systems. With minimal moving parts and a slewing style bearing, they support both continuous and cycle-on-demand operation while reducing maintenance and downtime. Standard models handle varying capacities and can be customized with oversized table tops or additional support wheels to fit specific applications.

- **Support wheels for larger tables sizes**
- **Slip ring for providing power to table top**
- **Custom sizes and capacities available**
- **Easy access to internal components**
- **Table edge accuracy up to 0.04"**



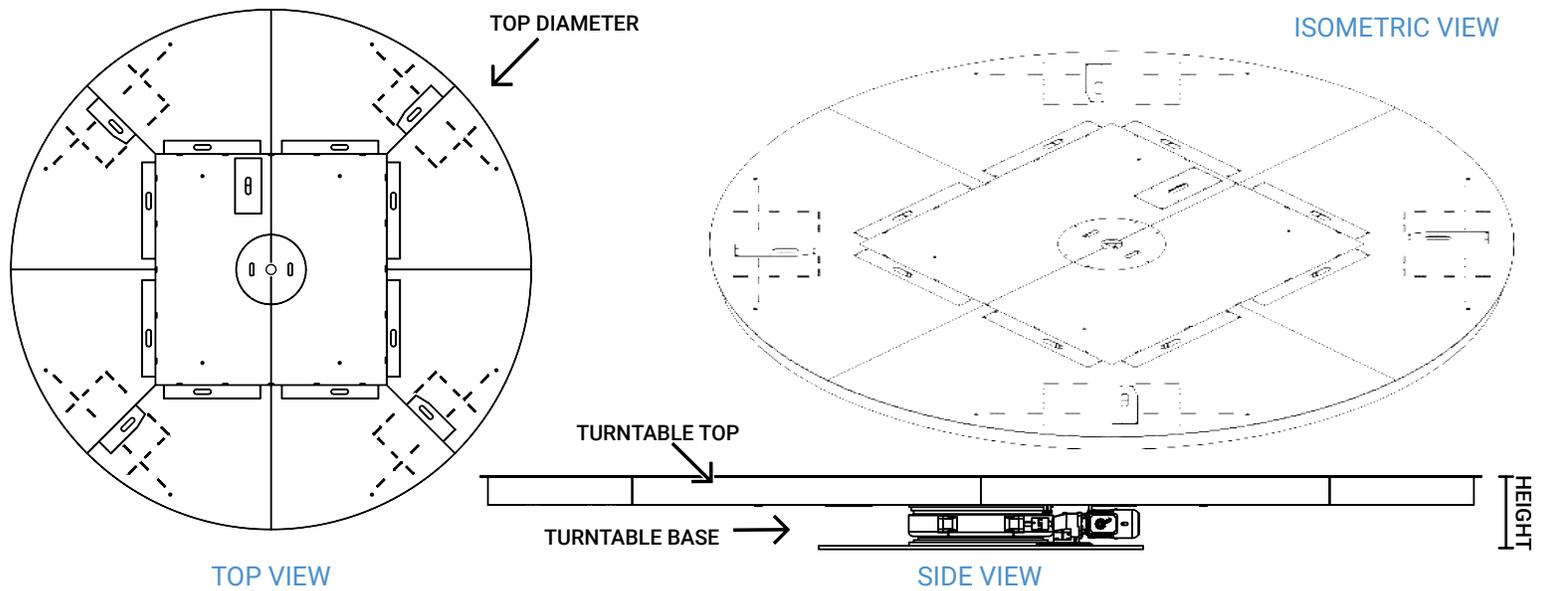
PRECISION MECHANICAL TURNTABLE

Precision Mechanical Turntables are made for applications requiring accurate, repeatable positioning with minimal backlash. Ideal for automated manufacturing environments, they offer high torque capacity and smooth motion control.



HEAVY DUTY MECHANICAL TURNTABLE

Heavy Duty Mechanical Turntables handle loads up to 150,000 lbs, ideal for demanding industrial environments. Built with rugged components and large-diameter slewing bearings, they ensure reliable rotation and long-term performance.



MECHANICAL TURNTABLE SPECIFICATIONS

| MODELS | CAPACITY | TOP SIZE | BASE SIZE | HEIGHT | RPM | ACCURACY |
|--------|-------------------------|--------------------------------|--------------------------------|-----------------|---------------|----------|
| APS060 | TOTAL | DIAMETER | DIAMETER | | MIN-MAX | DEGREES |
| APS060 | 35,000 lbs 15,876 kg | 72 in-216in 1,829- 5,486 mm | 70 - 70 in 1,778 - 1,778 mm | 18 in 406 mm | 0.5 - 2.2 RPM | 0.3° |

PRECISION MECHANICAL TURNTABLE SPECIFICATIONS

| MODELS | CAPACITY | TOP SIZE | BASE SIZE | HEIGHT | CYCLE TIME | ACCURACY |
|-------------|-----------------------|----------------------------------|------------------------------------|-----------------|-------------|------------------|
| APS070 / 71 | TOTAL | DIAMETER | DIAMETER | | AS LOW AS | DEGREES |
| APS07X | 5,000 lbs 2,268 kg | 40 in- 120 in 1,016- 3,048 mm | 60 in - 120 in 1,524 - 3,048 mm | 38 in 965 mm | 4.5 SECONDS | 0.066° 0.018° |

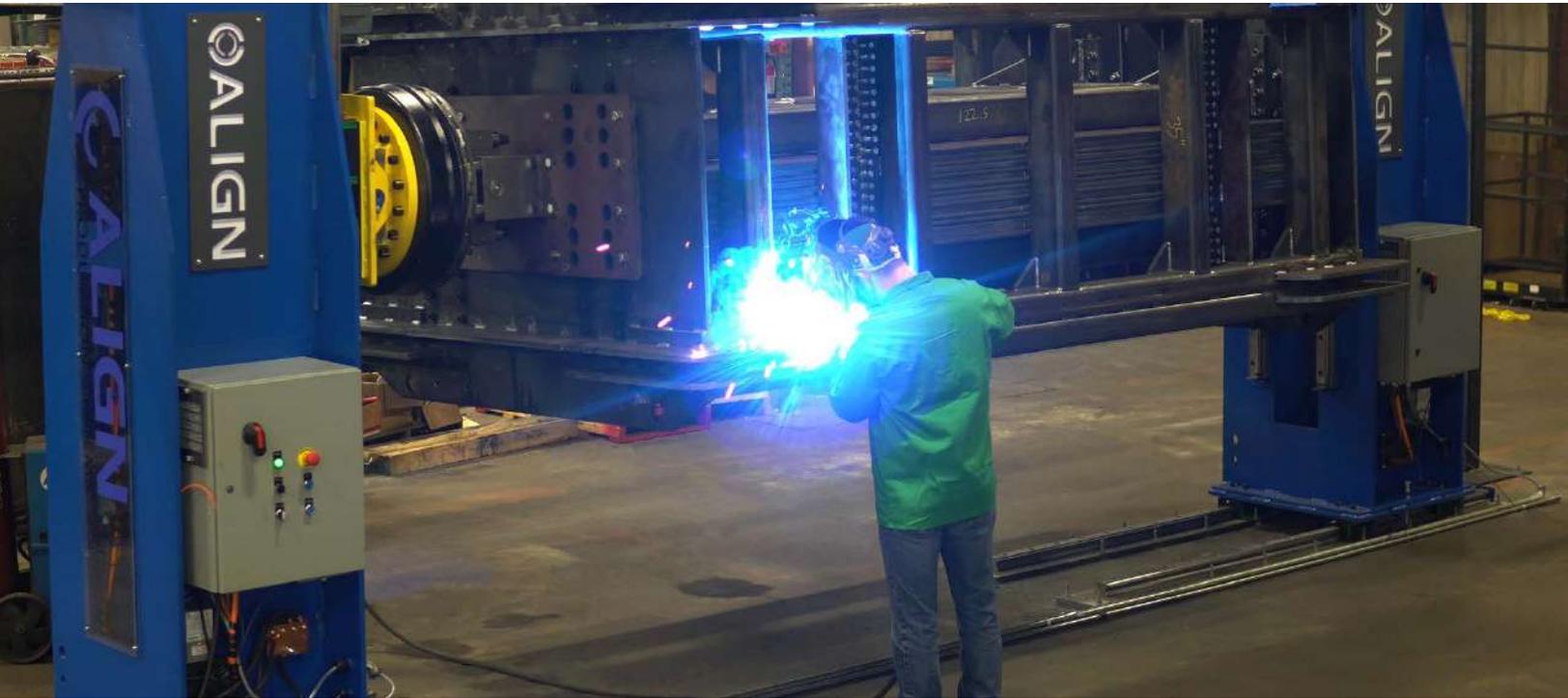
HEAVY DUTY MECHANICAL TURNTABLE SPECIFICATIONS

| MODELS | CAPACITY | TOP SIZE | BASE SIZE | HEIGHT | RPM | ACCURACY |
|--------|--------------------------|----------------------------------|--------------------------------|-----------------|-----------|----------|
| AX010 | TOTAL | DIAMETER | DIAMETER | | MIN-MAX | DEGREES |
| AX010 | 150,000 lbs 68,039 kg | 48 in- 120 in 1,219- 3,048 mm | 50 x 50 in 1,270 x 1,270 mm | 31 in 787 mm | 0 - 1 RPM | 0.3° |

CUSTOM TURNTABLE TOPS AVAILABLE, CUSTOMIZED TO YOUR RACK/LOAD REQUIREMENTS



HEAD AND TAILSTOCK



 **POWERED BY
ELECTRICITY**

 **CAPACITIES UP TO
35,000 LBS**

 **VERTICAL STROKE
60 INCHES**

 **CUSTOMIZABLE
HEIGHTS**

Head and Tailstock systems are designed to securely support and rotate long or heavy workpieces during fabrication or assembly. Available in both fixed and adjustable configurations, these systems deliver powered, variable-speed rotation in either direction to optimize welding, torching, cutting, or cladding operations. Built for high-capacity loads, they integrate easily into welding cells, assembly lines, or positioning applications.

- *All electric unit with no hydraulics required*
- *Centrally located grounding point up to 1,500 amps for the whole machine*
- *Optional Servo Drives for precise positioning*
- *Designed for automation*
- *Flexible set up with multi axis*



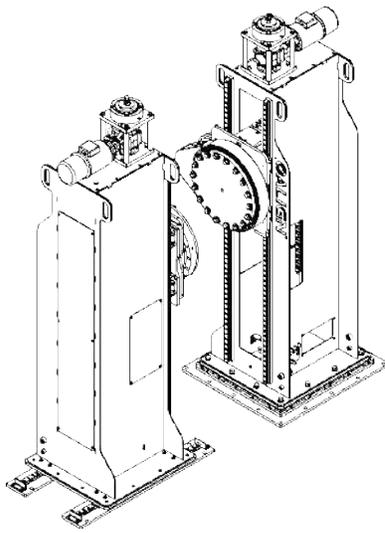
FLEXIBILITY WITH ADJUSTABLE RAILS

Adjustable rails offer horizontal movement to accommodate various part lengths, making setup quicker and more versatile. This adaptability is ideal for operations that handle multiple product sizes or frequently change workpiece dimensions.

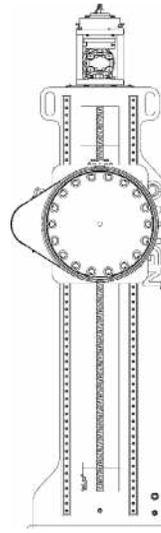


CONTROL OPTIONS

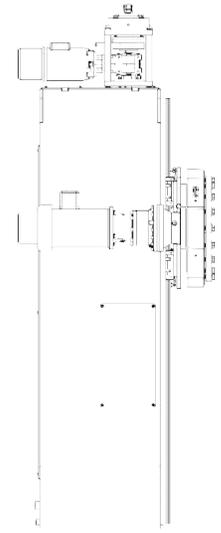
Control options include a push-button box, which moves the system as the button is pressed, or a computer-automated system programmed to move and position based on preset events. Customized timing and rotation positions are available.



ISOMETRIC VIEW



FRONT VIEW



SIDE VIEW

HEAD & TAILSTOCK SPECIFICATIONS

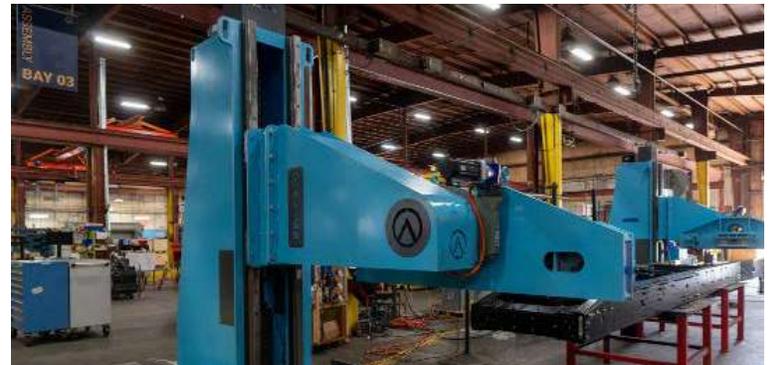
| MODELS | CAPACITY | ROTATIONAL | | VERTICAL | | CENTERLINE HEIGHT |
|----------------------------|-------------------------|----------------------------|----------------------------|-------------------|------------------------------------|------------------------------|
| | | TORQUE | RPM | TRAVEL | TRAVEL SPEED | MIN - MAX |
| APS02X | TOTAL | | | | | |
| APS020-008 FIXED HEIGHT | 8,000 lbs 3,629 kg | 48,000 in/lb 5,423 Nm | 0.1 - 3.0 RPM VARIABLE | N/A | N/A | 18 - 80 in 457 - 2,032 mm |
| APS020-015 FIXED HEIGHT | 15,000 lbs 6,804 kg | 75,000 in/lb 8,474 Nm | 0.1 - 2.0 RPM VARIABLE | N/A | N/A | 18 - 80 in 457 - 2,032 mm |
| APS020-035 FIXED HEIGHT | 35,000 lbs 15,876 kg | 190,000 in/lb 21,467 Nm | 0.04 - 0.9 RPM VARIABLE | N/A | N/A | 18 - 80 in 457 - 2,032 mm |
| APS021-008 ADJ. HEIGHT | 8,000 lbs 3,629 kg | 48,000 in/lb 5,423 Nm | 0.1 - 3.0 RPM VARIABLE | 60 in 1,524 mm | 1.7 - 34 in/min 43 - 864 mm/min | 16 - 76 in 406 - 1,930 mm |
| APS021-015 ADJ. HEIGHT | 15,000 lbs 6,804 kg | 75,000 in/lb 8,474 Nm | 0.1 - 2.0 RPM VARIABLE | 60 in 1,524 mm | 1.7 - 34 in/min 43 - 864 mm/min | 16 - 76 in 406 - 1,930 mm |
| APS021-035 ADJ. HEIGHT | 35,000 lbs 15,876 kg | 190,000 in/lb 21,467 Nm | 0.04 - 0.9 RPM VARIABLE | 60 in 1,524 mm | 1.7 - 34 in/min 43 - 864 mm/min | 20 - 80 in 508 - 2,032 mm |

LARGER CUSTOM SIZES, HEIGHTS, SPEEDS, AND CAPACITIES AVAILABLE



FIXED

Fixed Head and Tailstock systems offer a stable, rigid setup ideal for repeatable operations with the same workpiece lengths. Their heavy-duty design ensures reliable performance in demanding applications.



ADJUSTABLE

Adjustable Head and Tailstock systems are designed to move vertically to accommodate different workpiece sizes. They can be driven with a programmed height or can have a button to manually adjust vertical height.



HYDRAULIC UPENDER



 **POWERED BY
ELECTRICITY**

 **CAPACITIES UP TO
12,000 LBS**

 **HEIGHT AS LOW AS
12 INCHES**

 **CUSTOMIZABLE
PLATFORM**

Our Hydraulic 90° Upenders are designed to safely rotate heavy or large objects 90°, improving efficiency and reducing the need for risky overhead crane maneuvers. By replacing overhead crane maneuvers, these upenders reduce workplace hazards and streamline operations. With the push of a button, they provide a faster, safer way to reposition products during fabrication or assembly.

- **90 rotation times as low as 30 seconds**
- **Adjustable leveling pads for both positions**
- **Safety velocity fuzes for unexpected failure**
- **Counter-balance valves to suspend the load in position & prevent run-away loads**



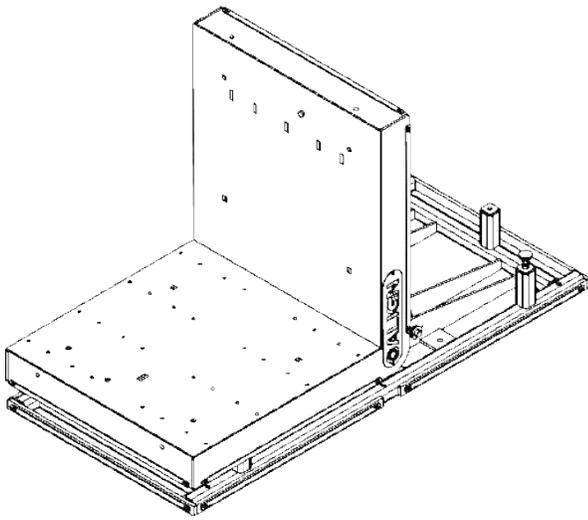
COUNTER-BALANCE VALVES & VELOCITY FUZES

Counter-balance valves help control the lowering of a load by maintaining pressure in the hydraulic circuit, preventing sudden or uncontrolled movements. Velocity fuzes automatically shut off flow if a hose bursts or flow exceeds safe limits.

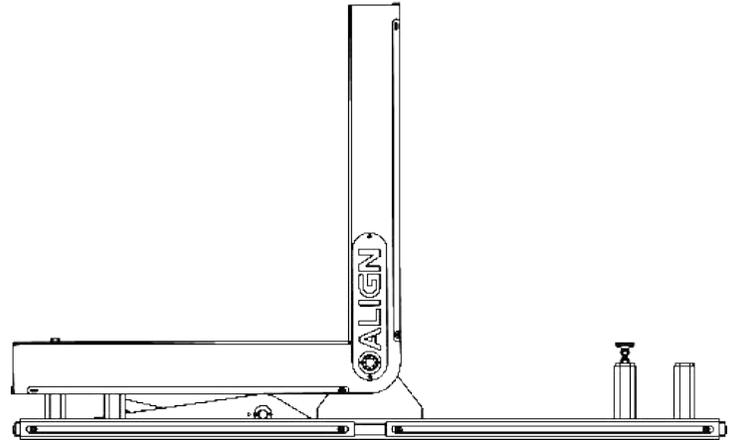


ADJUSTABLE LEVELING PADS

Adjustable leveling pads provide a stable, secure base for heavy equipment by compensating for uneven or sloped floors. They help reduce vibration, improve safety, and ensure precise alignment for accurate and consistent operation.



ISOMETRIC VIEW



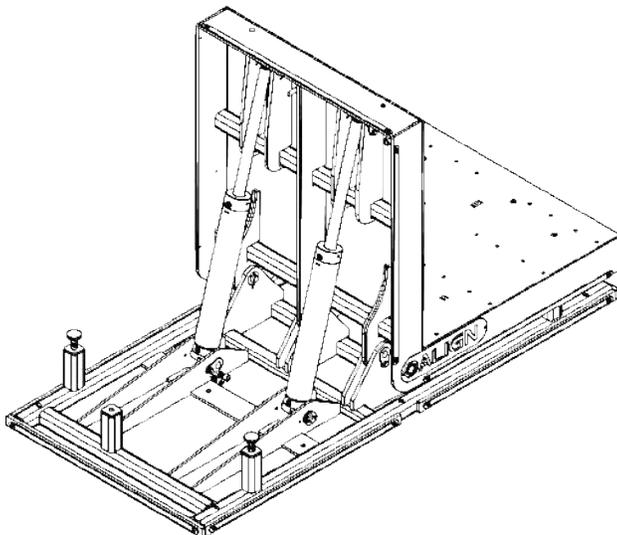
SIDE VIEW

HYDRAULIC UPENDER SPECIFICATIONS

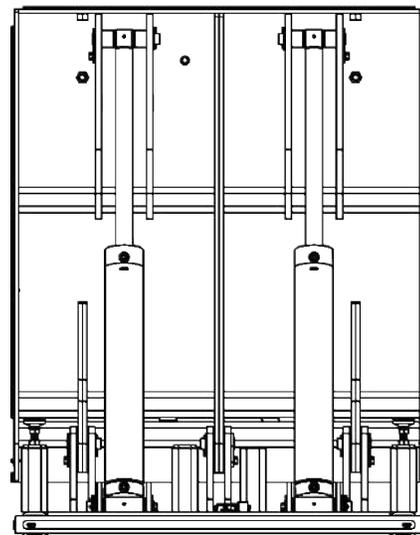
| MODELS | CAPACITY | | PLATFORM SIZE | | TILT |
|--------|------------------------|---------------------------------|---------------------------------|-----------------|---------|
| | TOTAL | WIDTH | LENGTH | DOWN HEIGHT | DEGREES |
| APS05X | | | | | |
| APS050 | 3,000 lbs 1,361 kg | 36 - 96 in 914 - 2,438 mm | 36 - 96 in 914 - 2,438 mm | 12 in 305 mm | 90° |
| APS051 | 6,000 lbs 2,722 kg | 48 - 120 in 1,219 - 3,048 mm | 36 - 120 in 914 - 3,048 mm | 14 in 356 mm | 90° |
| APS052 | 9,000 lbs 4,082 kg | 60 - 120 in 1,524 - 3,048 mm | 36 - 120 in 914 - 3,048 mm | 16 in 406 mm | 90° |
| APS053 | 12,000 lbs 5,443 kg | 60 - 120 in 1,524 - 3,048 mm | 48 - 120 in 1,219 - 3,048 mm | 18 in 457 mm | 90° |

CUSTOM PLATFORM SIZES AND CAPACITIES AVAILABLE

1. Based on centrally located load.



ISOMETRIC VIEW



BACK VIEW



ERGONOMIC EQUIPMENT



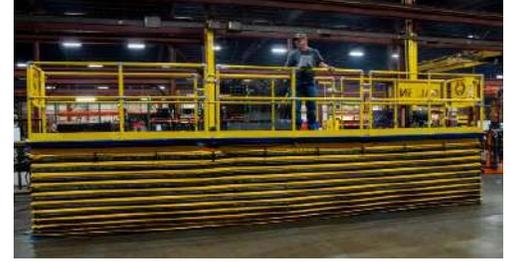
SCISSOR LIFTS

Scissor lifts are designed for ergonomic material handling and can support a wide range of applications, offering smooth lifting and exceptional load stability.



SELF-LEVELING PNEU. LIFT

Self-leveling pneumatic lifts automatically adjust to maintain an optimal height as items are added or removed, reducing operator strain.



HYDRAULIC MAN LIFT

Hydraulic man lifts provide positioning for lineside tasks, with manual or preset height adjustments and optional safety features like alarms and anti-slip tops.



PNEUMATIC TILT

Pneumatic tilt tables position heavy loads at a 30° or 45° angle to improve ergonomic access and safety during material handling tasks.



NON-INVASIVE PNEU. TILT

Non-invasive pneumatic tilt tables are designed to maximize floor space and improve operator safety by positioning loads at a 30° angle.



MECHANICAL ROTATE

Mechanical rotates are low-profile, heavy-duty platforms that use sealed, maintenance-free slewing bearings to rotate large loads safely and efficiently.

SCISSOR LIFTS SPECIFICATIONS

| MODELS | CAPACITY | ARM | STROKE | HEIGHT | BASE SIZE | TOP SIZE | |
|-----------------------------------|-----------------------|--------|-----------------|---------------------------------|---------------------------------|--------------------|-------------------|
| ST01X | TOTAL | TYPE | TOTAL | MIN - MAX | W x L | WIDTH | LENGTH |
| ST014-2448 PNEUMATIC | 2,000 lbs 907 kg | LEVER | 24 in 610 mm | 8.25 - 33.25 in 210 - 845 mm | 24 x 48 in 610 x 1,219 mm | 24 in 610 mm | 48 in 1,219 mm |
| ST011-4248 PNEUMATIC | 4,000 lbs 1,814 kg | LEVER | 24 in 610 mm | 8.25 - 33.25 in 210 - 845 mm | 42 x 48 in 1,067 x 1,219 mm | 42 in 1,067 mm | 48 in 1,219 mm |
| ST012-4848 PNEUMATIC | 6,000 lbs 2,722 kg | DIRECT | 24 in 610 mm | 12 - 36 in 305 - 914 mm | 48 x 48 in 1,219 x 1,219 mm | 48 in 1,219 mm | 48 in 1,219 mm |
| ST013-4848 PNEUMATIC | 8,000 lbs 3,629 kg | DIRECT | 24 in 610 mm | 12 - 36 in 305 - 914 mm | 48 x 48 in 1,219 x 1,219 mm | 48 in 1,219 mm | 48 in 1,219 mm |
| ST014-2448 SELF-LEVELING PNEU. | 2,000 lbs 907 kg | DIRECT | 20 in 508 mm | 10 - 30 in 254 - 762 mm | 25.75 x 48 in 654 x 1,219 mm | 25.75 in 654 mm | 48 in 1,219 mm |
| ST051-3648 HYDRAULIC | 4,000 lbs 1,814 kg | LEVER | 32 in 813 mm | 9 - 41 in 229 - 1,041 mm | 36 x 48 in 914 x 1,219 mm | 36 in 914 mm | 48 in 1,219 mm |
| ST053-3648 HYDRAULIC | 8,000 lbs 3,629 kg | LEVER | 32 in 813 mm | 14 - 48 in 356 - 1,219 mm | 48 x 50 in 1,219 x 1,270 mm | 48 in 1,219 mm | 48 in 1,219 mm |

CUSTOM TOP SIZES, STROKE, CAPACITIES, AND COMBINATIONS WITH OTHER EQUIPMENT AVAILABLE

1. Based on centrally located load.

HYDRAULIC MAN LIFT SPECIFICATIONS

| MODELS | CAPACITY | ARM | STROKE | HEIGHT | TOP SIZE | |
|-------------------------|-----------------------|-------|-----------------|---------------------------------|-------------------|-------------------|
| | | | | | WIDTH | LENGTH |
| ST01X | TOTAL | TYPE | TOTAL | MIN - MAX | | |
| ST014-2448 PNEUMATIC | 2,000 lbs 907 kg | LEVER | 25 in 635 mm | 8.25 - 33.25 in 209 - 844 mm | 24 in 609 mm | 48 in 1,219 mm |
| ST011-4248 PNEUMATIC | 4,000 lbs 1,814 kg | LEVER | 25 in 635 mm | 8.25 - 33.25 in 209 - 844 mm | 42 in 1,066 mm | 48 in 1,219 mm |

CUSTOM TOP SIZES, STROKE, HEIGHT, AND CAPACITIES AVAILABLE

1. Based on centrally located load.

PNEUMATIC TILT SPECIFICATIONS

| MODELS | CAPACITY | TILT | HEIGHT | BASE SIZE | TOP SIZE | |
|----------------------------|-----------------------|---------|----------------|--------------------------------|--------------------------------|--------------------------------|
| | | | | | WIDTH | LENGTH |
| ST0XX | TOTAL | DEGREES | DOWN | W x L | | |
| ST020-XXXX INVASIVE | 2,000 lbs 907 kg | 30° | 6 in 152 mm | 36 x 44 in 914 x 1,118 mm | 38 - 62 in 965 - 1,575 mm | 44 - 56 in 1,118 - 1,422 mm |
| ST022-XXXX INVASIVE | 4,000 lbs 1,814 kg | 30° | 6 in 152 mm | 36 x 44 in 914 x 1,118 mm | 44 - 62 in 1,118 - 1,575 mm | 44 - 56 in 1,118 - 1,422 mm |
| ST024-XXXX INVASIVE | 6,000 lbs 2,721 kg | 30° | 6 in 152 mm | 48 x 48 in 1,219 x 1,219 mm | 50 - 62 in 1,270 - 1,575 mm | 50 - 62 in 1,270 - 1,575 mm |
| ST021-XXXX INVASIVE | 2,000 lbs 907 kg | 45° | 7 in 178 mm | 36 x 44 in 914 x 1,118 mm | 44 - 62 in 1,118 - 1,575 mm | 44 - 56 in 1,118 - 1,422 mm |
| ST023-XXXX INVASIVE | 4,000 lbs 1,814 kg | 45° | 7 in 178 mm | 42 x 48 in 1,067 x 1,219 mm | 44 - 62 in 1,118 - 1,575 mm | 44 - 56 in 1,118 - 1,422 mm |
| ST025-XXXX INVASIVE | 6,000 lbs 2,721 kg | 45° | 7 in 178 mm | 48 x 48 in 1,219 x 1,219 mm | 50 - 62 in 1,270 - 1,575 mm | 50 - 62 in 1,270 - 1,575 mm |
| ST070-XXXX NON-INVASIVE | 2,000 lbs 907 kg | 30° | 7 in 178 mm | 36 x 48 in 914 x 1,219 mm | 44 - 62 in 1,118 - 1,575 mm | 50 - 56 in 1,270 - 1,422 mm |
| ST072-XXXX NON-INVASIVE | 4,000 lbs 1,814 kg | 30° | 7 in 178 mm | 42 x 50 in 1,067 x 1,270 mm | 44 - 62 in 1,118 - 1,575 mm | 50 - 56 in 1,270 - 1,422 mm |

CUSTOM TOP SIZES, HEIGHT, CAPACITIES, AND COMBINATIONS WITH OTHER EQUIPMENT AVAILABLE

1. Based on centrally located load.

MECHANICAL ROTATE SPECIFICATIONS

| MODELS | CAPACITY | HEIGHT | BASE SIZE | TOP SIZE | |
|---------------------------------|-----------------------|----------------|--------------------------------|------------------------------|------------------------------|
| | | | | WIDTH | LENGTH |
| ST03X | TOTAL | DOWN | W x L | | |
| ST030-XXXX SLEWING BEARING | 2,000 lbs 907 kg | 4 in 102 mm | 42 x 48 in 1,067 - 1,219 mm | 38 - 62 in 965 - 1,575 mm | 38 - 62 in 965 - 1,575 mm |
| ST031-XXXX TURNTABLE BEARING | 4,000 lbs 1,814 kg | 4 in 102 mm | 42 x 48 in 1,067 - 1,219 mm | 38 - 62 in 965 - 1,575 mm | 38 - 62 in 965 - 1,575 mm |

CUSTOM TOP SIZES, HEIGHT, CAPACITIES, AND COMBINATIONS WITH OTHER EQUIPMENT AVAILABLE

1. Based on centrally located load.

HEDIN PRODUCTS



TUGGER

44-45 [BATTERY POWERED TUGGER](#)

46-47 [RIDE-ON TUGGER](#)

48-49 [GT TUGGER](#)



COIL

50-51 [COIL CAR WITH SPIKE](#)

52-53 [COIL CAR WITH CRADLE](#)

54-55 [COIL TIPPER](#)



TRANSPORTER

56-57 [PALLET TRANSPORTER](#)

58-59 [PLATFORM TRANSPORTER](#)

60-61 [MOLD & DIE TRANSPORTER](#)

62-67 [FLATBED TRANSPORTER](#)

Battery Powered Tugger



Move up to 100,000 lbs. using a single operator with The Ox Power Tugger. The Power Tugger enables a single operator to move and position heavy weight pallets and loads on wheels, and can comfortably move up to 120 feet-per-minute. Designed to lift the front end of non-motorized trailers or pallets, distributing the load to the wheels on the trailer.

- **Capacities up to 100,000 lbs.**
- **Low hitch point of 6"**
- **Charge with 120v wall outlet**
- **On board battery recharge system**
- **Optional 100,000 lbs. Tugger Cart**

Available Models



30,000 lbs. Capacity

APS030-1200 features a hitch point capacity of 6,750 lbs, 45 minute battery life, 5,500 ft-lbs. of torque, and movement speeds of 120 fpm.



100,000 lbs. Capacity

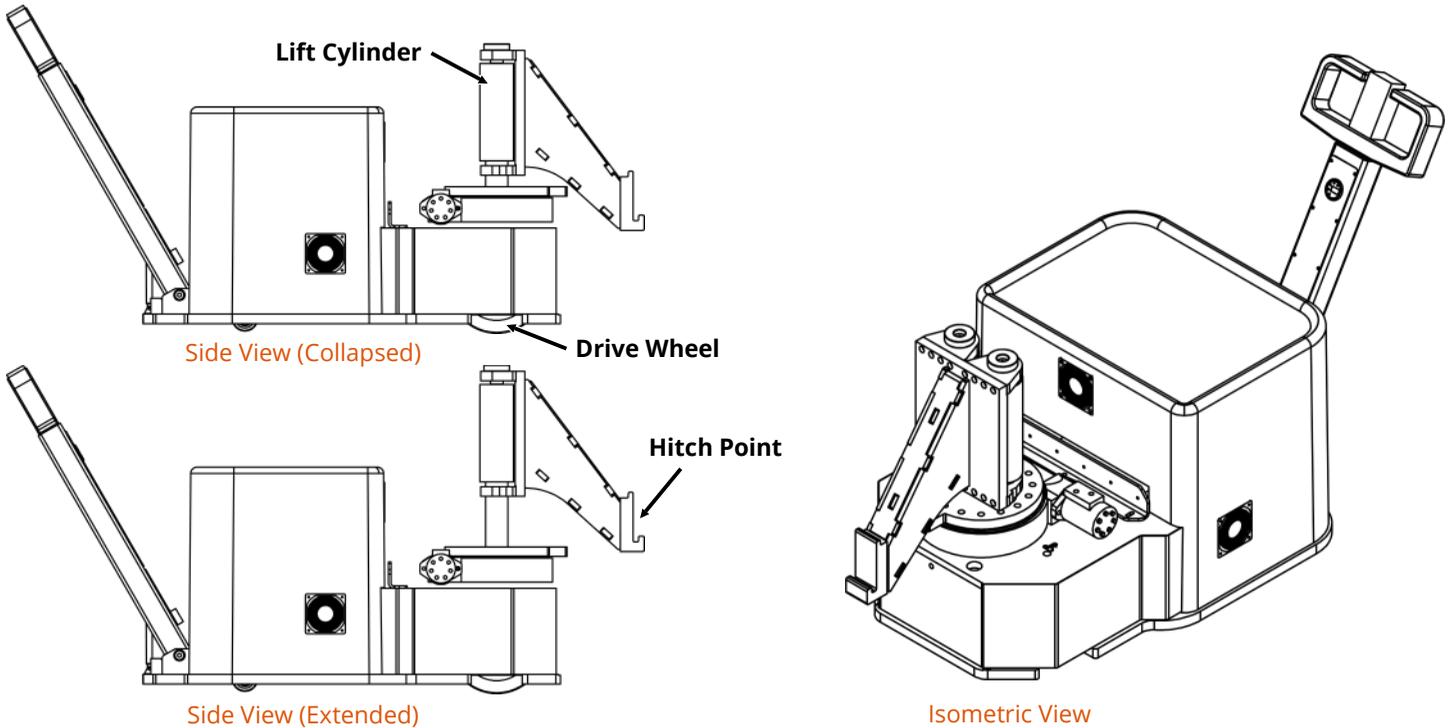
APS030-2200 features a hitch point capacity of 12,000 lbs, with a 105 minute battery life, 23,500 ft-lbs. of torque, and movement speeds of 100 fpm.



Custom Cart

We offer custom designed carts that work in tandem with our Battery Powered Tuggers, allowing for our Tuggers to be used for a wide variety of solutions.

Battery Powered Tugger



Battery Powered Tugger

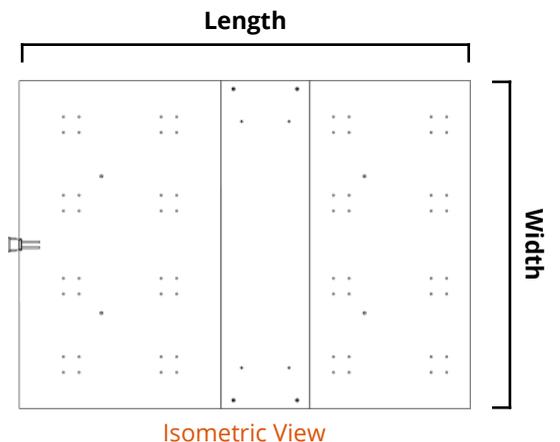
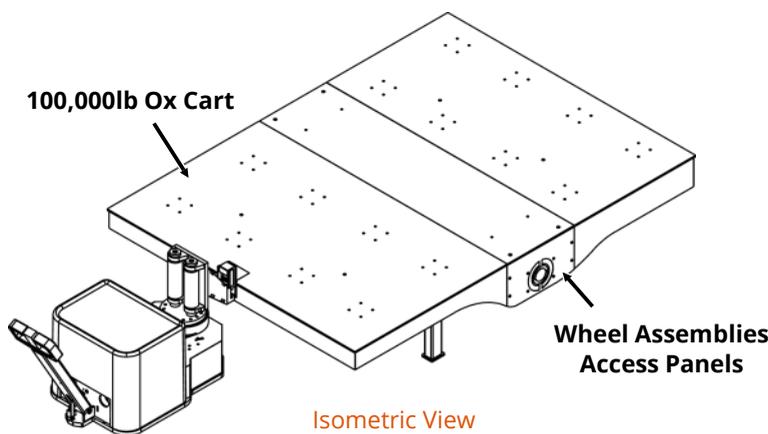
| Model No. | Capacity | Drawbar Force | Hitch Point | | Range | Speed |
|-------------|-----------------------|--------------------|-------------|---------------------|-----------------------|-----------------|
| | | | Stroke | Capacity | | |
| APS030 | Total ¹ | Total | | | Distance ² | Max |
| APS030-1200 | 30,000lb 13,600kg | 1,686lb 7500N | 6" 150mm | 6,750lb 3,000kg | 6,500ft 2,000m | 120fpm 37mpm |
| APS030-2200 | 100,000lb 45,360kg | 7,193lb 32,000N | 6" 150mm | 12,000lb 5,500kg | 9,600ft 2,900m | 100fpm 30mpm |

1. Based on proper load positioning, quality floor surface, and 92A durometer wheels. 2. Battery capacity is an estimation based upon a full charge, under full load, with continuous operation in a linear path.

Optional Ox Tugger Cart

| Model No. | Capacity | Minimum Cart Size at Max Capacity ¹ | | Bed Height | Wheel Size | Wheel Tread |
|-----------|-----------------------|--|-----------------|-----------------|--------------|-------------------------------|
| | | Width | Length | | | |
| APS031 | Total | | | | Diameter | |
| APS031 | 100,000lb 45,360kg | 96" 2,438mm | 126" 3,200mm | 18.44" 468mm | 12" 305mm | Polyurethane 90A Durometer |

1. Custom sizes based on load available. Sizes smaller than minimum are available with lower capacities.



Ride-On Tugger



The Ride-On Tug is designed to distribute loads up to 132,500 lbs. to the wheels, allowing an operator to ride on board and confidently steer the load. Featuring a rechargeable battery and speeds up to 150 fpm, the Ride-On tug is ideal for moving loads around your facility in a quick, safe, and controllable manner.

- **Move loads up to 132,500 lbs.**
- **Speeds up to 150 fpm**
- **On board battery recharge system**
- **Pin or hook hitch options available**

Features & Benefits



Perfect With Pallet System

Tuggers are designed to interface best with our application designed steel pallets, making the movement of heavy palletized loads easy.

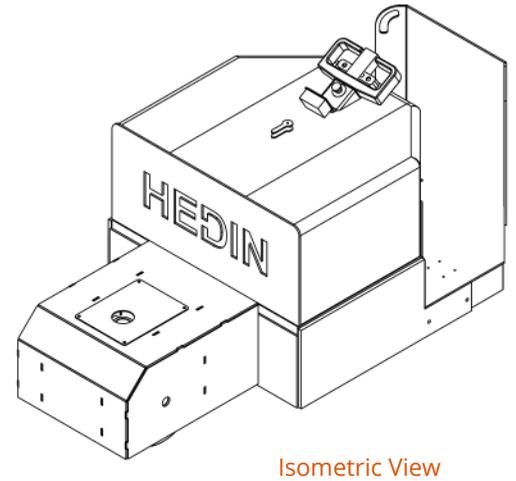
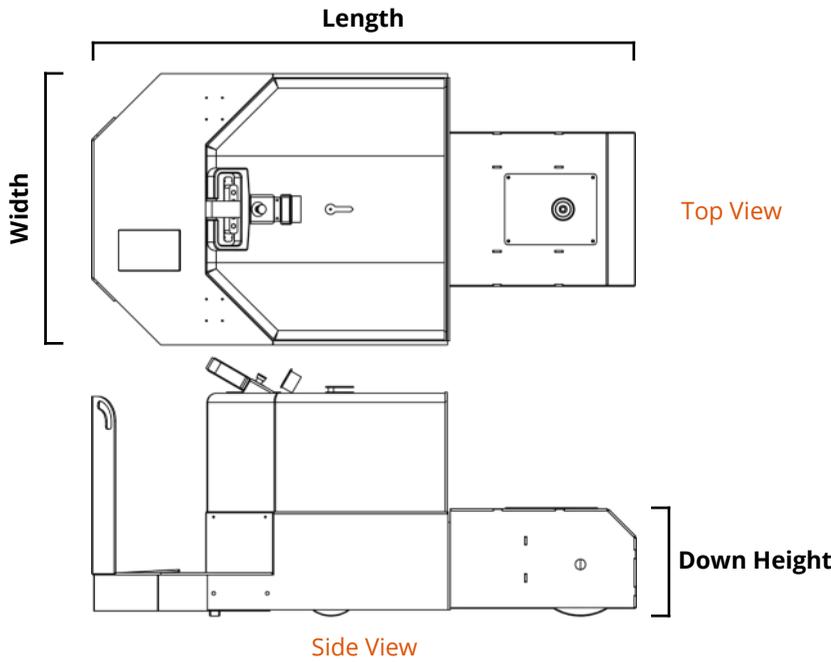
Optional Remote Control

Optional RF Remote Control empowers operators to control Tugger either on the platform or from a more safe distance.

Competitive

With load movement speed of up to 150 fpm the Ride-On Tugger offers fast & flexible movement for heavy and difficult to move equipment.

ROT Specifications Ride-On Tugger



Ride-On Tugger Specifications

| Model No. | Tow Capacity | Lifting Capacity | Stroke | Range | Speed | Transporter Size | | |
|-----------|-----------------------|----------------------|----------------|-----------------------|-----------------|--------------------|-------------------|-----------------|
| | | | | | | Length | Width | Down Height |
| ROT | Total ¹ | Total ¹ | | Distance ² | Max | | | |
| ROT-20 | 44,000lb 20,000kg | 33,100lb 15,000kg | 5.87" 150mm | 8,800ft 2,700m | 150fpm 45mpm | 104.33" 2,650mm | 51.97" 1,320mm | 14.76" 375mm |
| ROT-40 | 88,000lb 40,000kg | 48,500lb 22,000kg | 5.87" 150mm | 8,800ft 2,700m | 100fpm 30mpm | 108.27" 2,750mm | 62.6" 1,590mm | 18.7" 475mm |
| ROT-60 | 132,500lb 60,000kg | 48,500lb 22,000kg | 7.87" 200mm | 6,600ft 2,000m | 85fpm 26mpm | 112.2" 2,850mm | 62.6" 1,590mm | 22.64" 575mm |

1. Based on centrally located load. 2. Battery capacity is an estimation based upon a full charge, under full load, with continuous operation in a linear path. Lithium Battery option available, extend run time by 2.5x. (plan for longer lead time)



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GT Tugger



GT Tuggers give operators the ability to move materials around a plant via Remote Control, allowing for maximum control over the load. GT Tuggers can also be equipped with AGV guidance systems, enabling them to operate without the need for an operator to input movement. Our tuggers are built to lift up the front end of wheeled carts and trailers, distributing the heavy load evenly - making it effortless to move up to 220,000 lbs.

- **Move loads up to 220,000 lbs.**
- **Speeds up to 150 fpm**
- **On board battery recharge system**
- **Multiple control options like RF Controller or Automated Guided Vehicle (AGV)**

Features & Benefits



Multiple Control Options

GT Tuggers are controlled by an RF controller, or can be programmed with optional AGV technology.



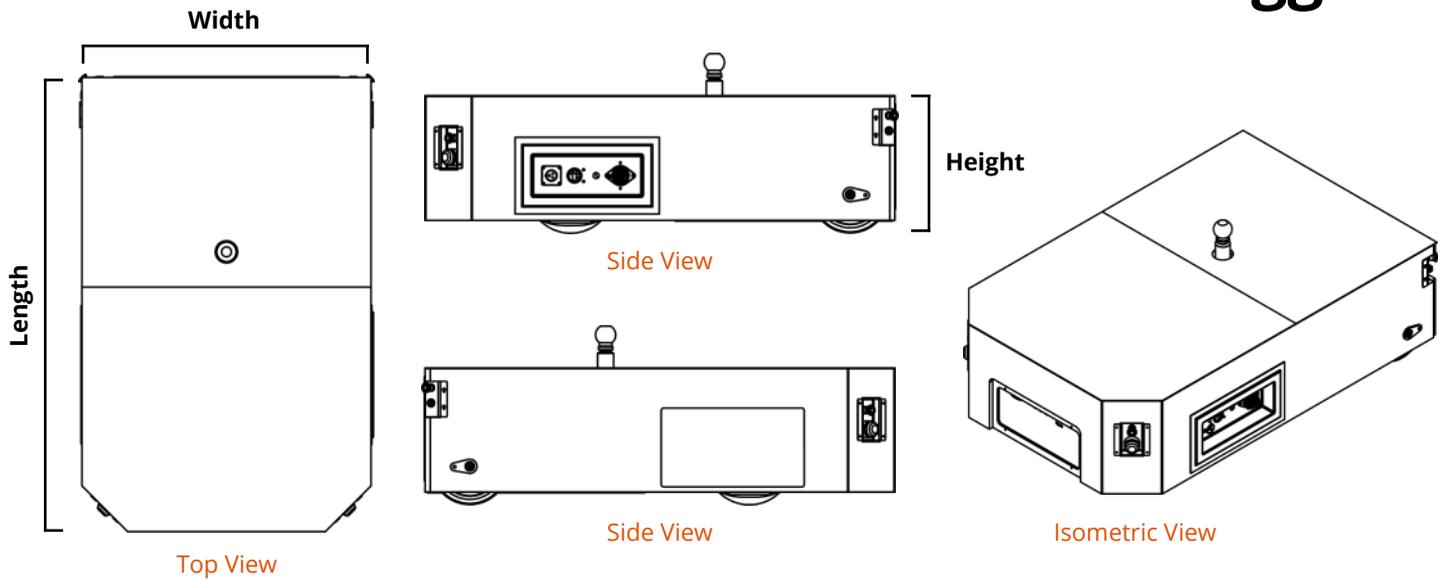
High Capacity

GT Tuggers have capacities that can move loads up to 220,000 lbs., making even the heaviest moves possible.



Safety First

The operator is kept at a safe distance from the moving load, ensuring that there is no possibility of the operator being injured during load transport.



GT Tugger Specifications

| Model No. | Tow Capacity | Lifting Capacity | Stroke | Range | Speed | Transporter Size | | |
|-----------|------------------------|----------------------|----------------|-----------------------|-----------------|-------------------|-------------------|-----------------|
| | Total ¹ | Total ¹ | | | | Length | Width | Height |
| GTT | | | | Distance ² | Max | | | |
| GTT-30 | 66,000lb 30,000kg | 33,000lb 15,000kg | 5.87" 150mm | 13,100ft 4,000m | 150fpm 45mpm | 74.76" 1,900mm | 47.24" 1,200mm | 21.61" 550mm |
| GTT-50 | 110,000lb 50,000kg | 44,000lb 20,000kg | 5.87" 150mm | 13,100ft 4,000m | 100fpm 30mpm | 84.60" 2,150mm | 53.11" 1,350mm | 25.63" 650mm |
| GTT-100 | 220,000lb 100,000kg | 66,000lb 30,000kg | 7.87" 200mm | 13,100ft 4,000m | 85fpm 26mpm | 98.39" 2,500mm | 63" 1,600mm | 29.5" 750mm |

1. Based on centrally located load. 2. Battery capacity is based upon full charge, under full load, with continuous operation in a linear path.



Coil Car with Spike



Coil Car with Spike offers an easy solution to the transportation of coils, with capacities up to 55,000 lbs. and custom larger options available. Ultimately eliminating the need for an overhead crane or rail-based systems. As an all-electric battery powered unit, the Coil Car operates independently from the rest of your production line—allowing the operator to use it whenever and wherever necessary.

- Capacities up to 55,000 lbs.
- Speeds up to 150 fpm
- Coil Spike stroke up to 72"
- On board battery recharge system

Features & Benefits



The Coil Handling Solution

Coil Cars are designed to move and position heavy coils in warehouse and manufacturing operations, eliminating the need for invasive rail-based and overhead cranes systems.



Multiple Control Options

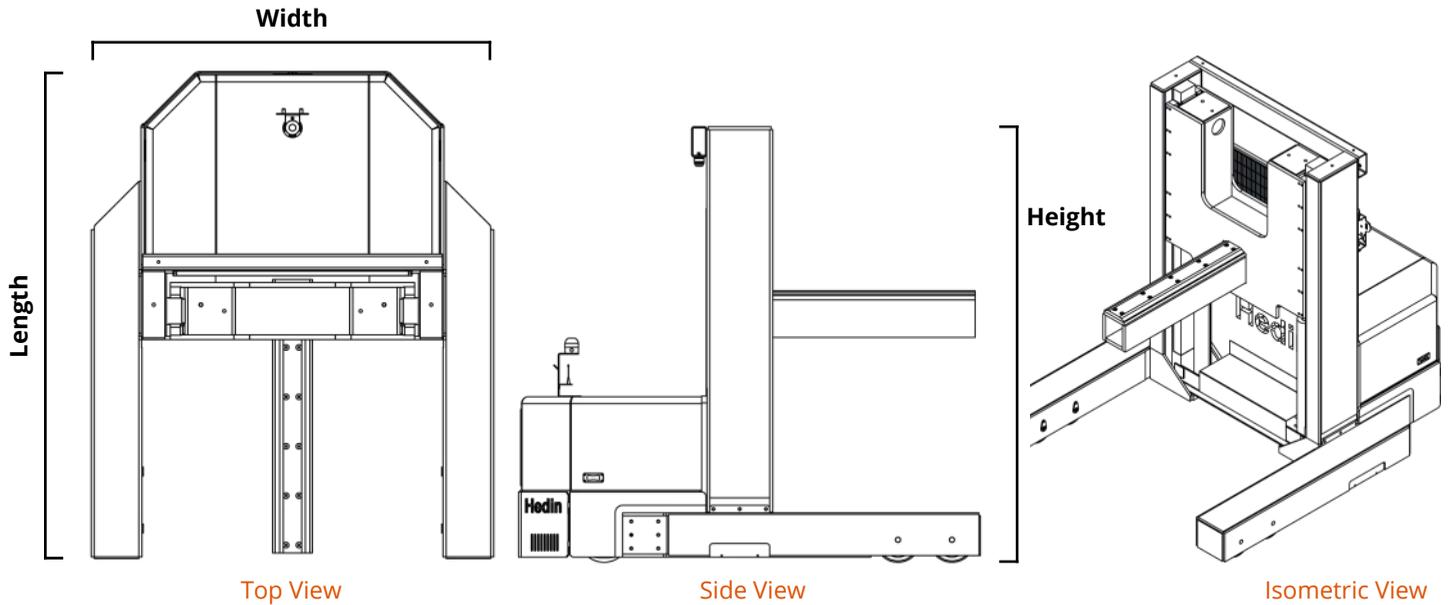
Coil Cars are available with a steering handle, RF remote controller, as a ride-along model or automated guided vehicle (AGV).



Adjustable Coil Height

The adjustable stroke allows for variable height changes, giving operators the freedom to easily and efficiently position coils.

HED060 Specifications Coil Car with Spike



Coil Car with Spike Specifications

| Model No. | Capacity | Stroke | Range | Speed | Transporter Size | | |
|-------------|----------------------|-------------------|-----------------------|-----------------|--------------------|--------------------|--------------------|
| | | | | | Length | Width | Height |
| HED060 | Total ¹ | | Distance ² | Max | | | |
| HED060-0006 | 13,000lb 6,000kg | 64.96" 1,650mm | 16,400ft 5,000m | 150fpm 45mpm | 110.24" 2,800mm | 72.83" 1,850mm | 100.39" 2,550mm |
| HED060-0012 | 26,500lb 12,000kg | 72.83" 1,850mm | 13,100ft 4,000m | 150fpm 45mpm | 114.17" 2,900mm | 86.61" 2,200mm | 108.27" 2,750mm |
| HED060-0055 | 55,000lb 25,000kg | 39.37" 1,000mm | 13,100ft 4,000m | 100fpm 30mpm | 122.05" 3,100mm | 100.39" 2,550mm | 114.17" 2,900mm |

1. Based on centrally located load. 2. Battery capacity is based upon full charge, under full load, with continuous operation in a linear path.



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Coil Car with Cradle



Coil Car with Cradle offers an easy solution to the transportation of coils, with capacities up to 55,000 lbs. and custom larger options available. Ultimately eliminating the need for an overhead crane or rail-based systems. As an all-electric battery powered unit, the Coil Car operates independently from the rest of your production line—allowing the operator to use it whenever and wherever necessary.

- **Capacities up to 55,000 lbs.**
- **Speeds up to 150 fpm**
- **Coil Spike stroke up to 72"**
- **On board battery recharge system**

Features & Benefits



Perfect Coil Handling Solution

Coil Cars are designed to move and position heavy coils in warehouse and manufacturing operations, eliminating the need for invasive rail-based and overhead cranes systems.

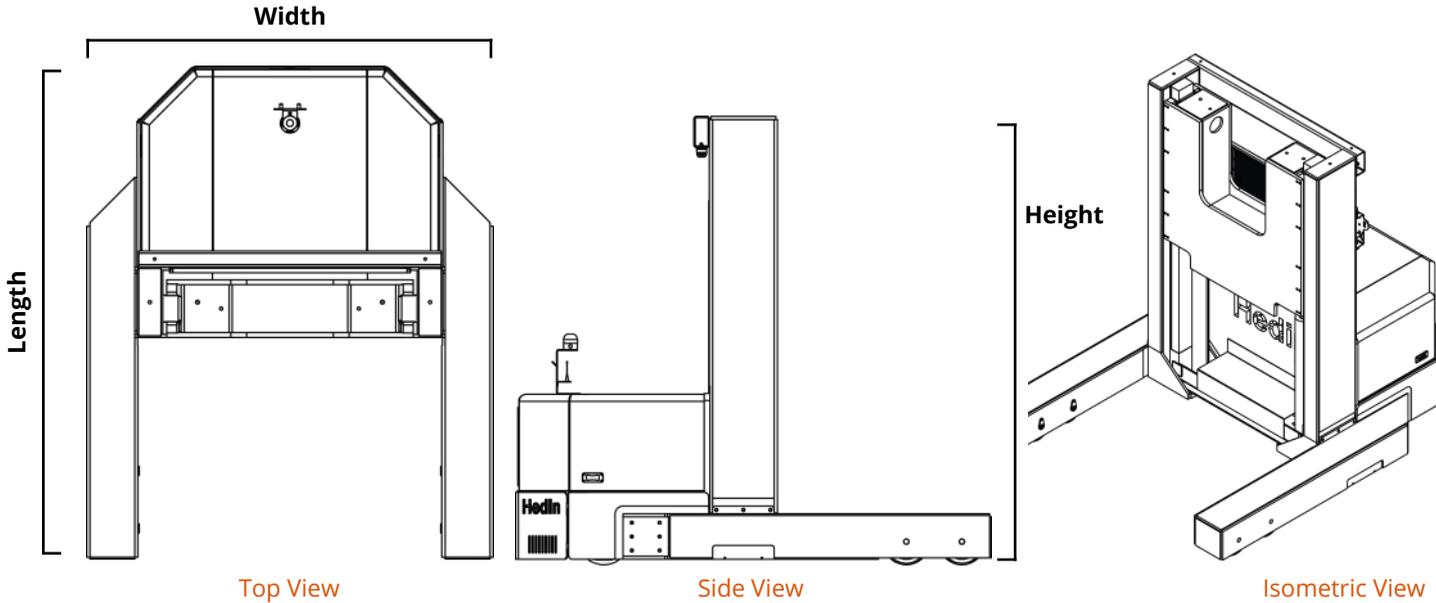
Multiple Control Options

Coil Cars are available with a steering handle, RF remote controller, as a ride-along model or automated guided vehicle (AGV).

Adjustable Coil Height

The adjustable stroke allows for variable height changes, giving operators the freedom to easily and efficiently position coils.

HED050 Specifications
Coil Car with Cradle



Coil Car with Cradle Specifications

| Model No. | Capacity | Stroke | Range | Speed | Transporter Size | | |
|-------------|----------------------|-------------------|-----------------------|-----------------|--------------------|--------------------|--------------------|
| | | | | | Length | Width | Height |
| HED050 | Total ¹ | | Distance ² | Max | | | |
| HED050-0006 | 13,000lb 6,000kg | 64.96" 1,650mm | 16,400ft 5,000m | 150fpm 45mpm | 110.24" 2,800mm | 72.83" 1,850mm | 100.39" 2,550mm |
| HED050-0012 | 26,500lb 12,000kg | 72.83" 1,850mm | 13,100ft 4,000m | 150fpm 45mpm | 114.17" 2,900mm | 86.61" 2,200mm | 108.27" 2,750mm |
| HED050-0025 | 55,000lb 25,000kg | 39.37" 1,000mm | 13,100ft 4,000m | 100fpm 30mpm | 122.05" 3,100mm | 100.39" 2,550mm | 114.17" 2,900mm |

1. Based on centrally located load. 2. Battery capacity is based upon full charge, under full load, with continuous operation in a linear path.



Coil Tipper



Coil Tippers are an all in one solution for the positioning of coils. We offer the ability to tilt 90° horizontally and vertically, and an added function of 180° rotation. With capacities up to 100,000 lbs., our Coil Car offers an easy solution to the transportation of coils, ultimately eliminating the need for an overhead crane or rail-based systems.

- **Capacities up to 44,000 lbs.**
- **Optional 180° rotation**
- **90° rotation times of 30 seconds**
- **All electric unit with no hydraulic mess**

Features & Benefits



Positioning

Not only do our Coil Tippers offer 90° tilting of coils horizontally and vertically, but they can also turn coils by 180°. We've got all the positions covered.

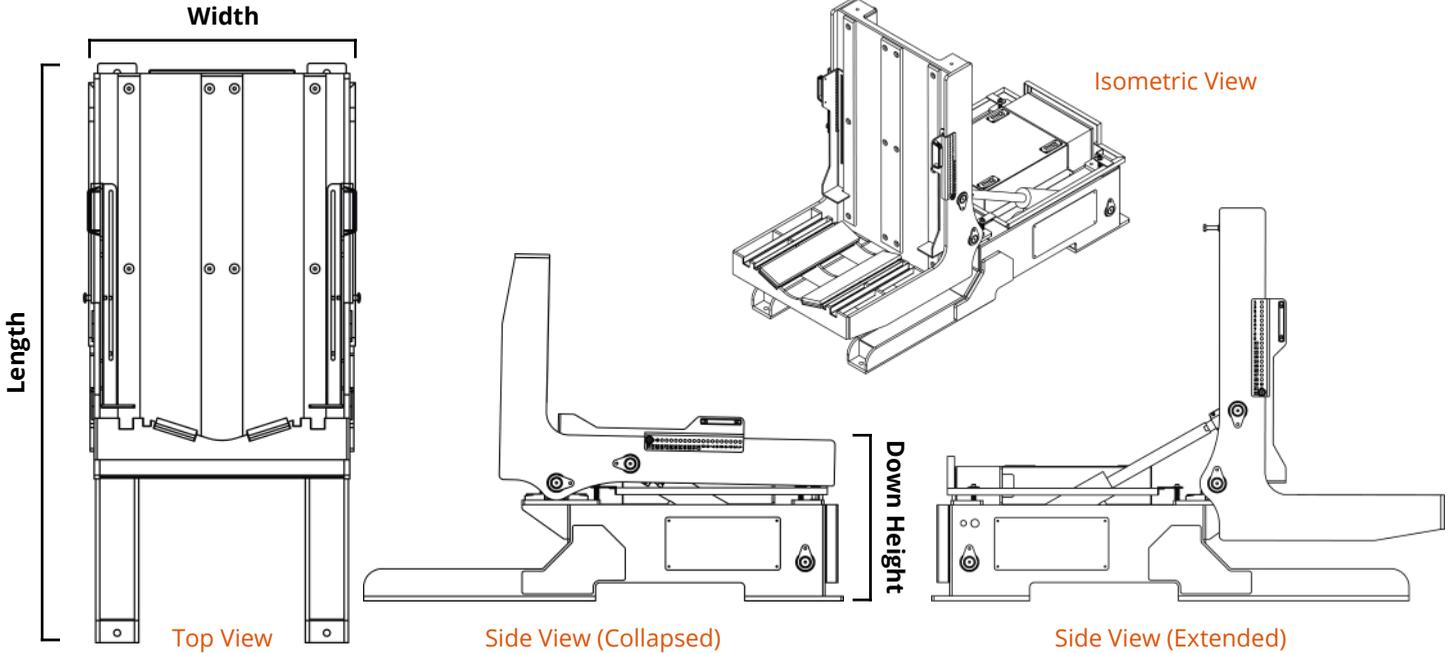
Accessibility

The Coil Tipper is designed to take up less space in your facility, all while maintaining ideal accessibility for coils to be picked up and transported by coil cars or cranes.

Compatible

The Coil Tipper can be directly used with our Coil Cars. Rotate and tilt the coils with the Coil Tipper, and pick them up with the Coil Car to complete your positioning needs.

Coil Tipper



Coil Car Tipper Specifications

| Model No. | Capacity | Max Coil Size | | | Unit Size | | | 90° Tilt Time |
|------------|----------------------|-------------------|-----------------|-------------------|-------------------|-----------------|------------|---------------|
| | | Max Diameter | Max Depth | Length | Width | Down Height | | |
| HED080 | Total ¹ | | | | | | | |
| HED080-005 | 11,000lb 5,000kg | 55.12" 1,400mm | 23.62" 600mm | 90.55" 2,300mm | 39.37" 1,000mm | 23.62" 600mm | 30 Seconds | |
| HED080-010 | 22,000lb 10,000kg | 62.99" 1,600mm | 31.49" 800mm | 98.43" 2,500mm | 47.24" 1,200mm | 23.62" 600mm | 30 Seconds | |

1. Based on centrally located load.



Pallet Transporter



The Pallet Transporter is the ideal solution for easily moving heavy loads on steel pallets, with capacity of up to 132,500 lbs. The Pallet Transporter is available with a number of options including safety scanners, enhanced batteries, and AGV drive systems.

- **Capacities up to 132,500 lbs.**
- **Adjustable fork widths**
- **On board battery recharge system**
- **RF Controller standard with optional manual steering**

Features & Benefits



Variable Solutions

Along with setting the load on top of the Pallet Transporter, operators can use the transporter's auxiliary lift with a pallet system featuring a center support or directly with the product.



Multiple Control Options

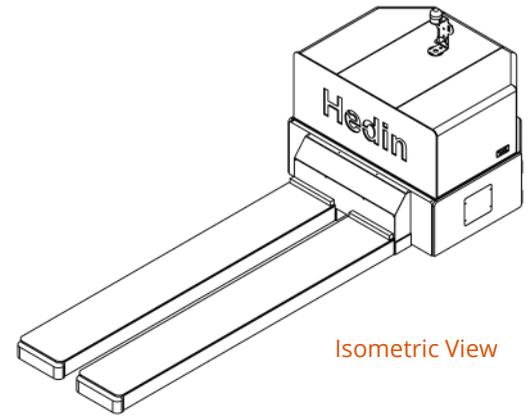
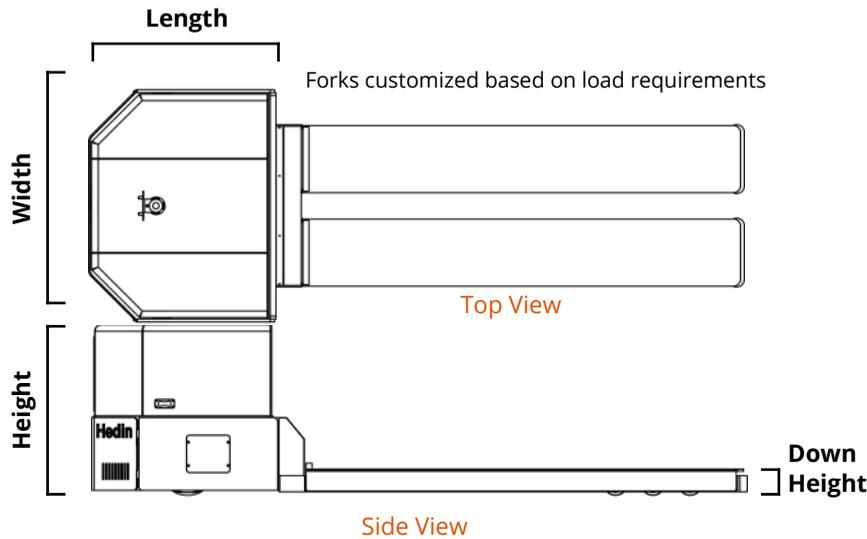
Pallet Transporters are available with a steering handle, RF remote controller, as a ride-along model or automated guided vehicle (AGV).



Optional Auxiliary Lift

The Pallet Transporter can be kitted with an optional auxiliary lift, granting operators the ability to lift and transport pallets - removing the need for overhead cranes.

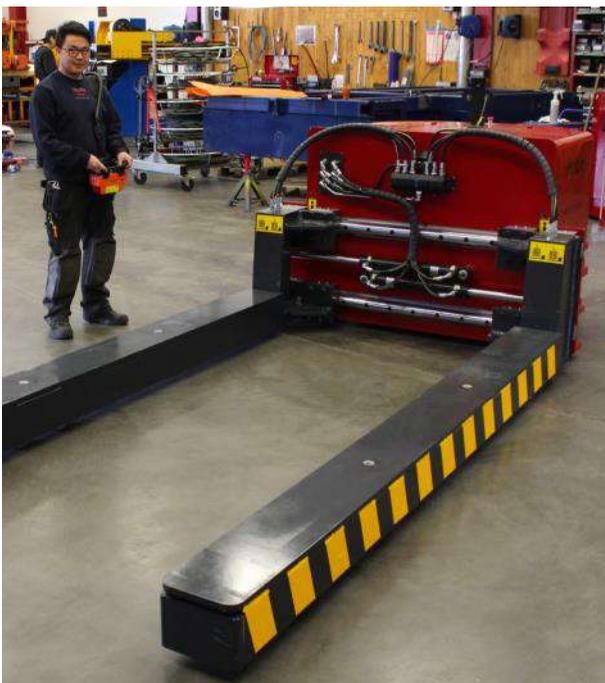
HED030 Specifications Pallet Transporter



Pallet Transporter Specifications

| Model No. | Capacity | Range | Speed | Header Size | | | Typical | |
|-------------|-----------------------|-----------------------|-----------------|-------------------|-------------------|-------------------|----------------|-----------------|
| | | | | Length | Width | Height | Stroke | Down Height |
| HED030 | Total ¹ | Distance ² | Max | | | | | |
| HED030-0012 | 26,500lb 12,000kg | 13,100ft 4,000m | 180fpm 55mpm | 49.21" 1,250mm | 30.71" 780mm | 43.31" 1,100mm | 2.36" 60mm | 7.09" 180mm |
| HED030-0020 | 44,000lb 20,000kg | 13,100ft 4,000m | 150fpm 45mpm | 49.21" 1,250mm | 37.40" 950mm | 43.31" 1,100mm | 2.36" 60mm | 8.66" 220mm |
| HED030-0030 | 66,000lb 30,000kg | 13,100ft 4,000m | 100fpm 30mpm | 49.21" 1,250mm | 41.34" 1,050mm | 46.46" 1,180mm | 3.15" 80mm | 9.45" 240mm |
| HED030-0040 | 88,000lb 40,000kg | 13,100ft 4,000m | 100fpm 30mpm | 49.21" 1,250mm | 57.09" 1,450mm | 46.46" 1,180mm | 3.15" 80mm | 11.81" 300mm |
| HED030-0060 | 132,500lb 60,000kg | 9,850ft 3,000m | 100fpm 30mpm | 49.21" 1,250mm | 57.09" 1,450mm | 46.46" 1,180mm | 3.94" 100mm | 13.78" 350mm |

1. Based on centrally located load. 2. Battery capacity is based upon full charge, under full load, with continuous operation in a linear path.



Customized Forks

Pallet Transporters are custom engineered to your capacity, size, and stroke requirements. No matter how big or small your request is, we're here to exceed your needs.

Adjustable Width

Our Pallet Transporter can feature adjustable width, giving operators the option to change the width between forks based on the size of the pallet.

Why Split Forks?

Split Forks allow the transporter to flex, keeping a lower down height and ensuring traction and stability while on uneven floors.

Platform Transporter



The Platform Transporter is the ideal solution for easily moving heavy loads on steel pallets, with capacity of up to 264,500 lbs. The platform Transporter is available with a number of options including safety scanners, enhanced batteries, and AGV drive systems.

- Capacities up to 132,500 lbs.
- Speed up to 150 fpm
- On board battery recharge system
- RF controller standard with optional manual steering

Features & Benefits



Variable Solutions

Along with setting the load on top of the Platform Transporter, operators can use the transporter's auxiliary lift with a pallet system or directly with the product.



Multiple Control Options

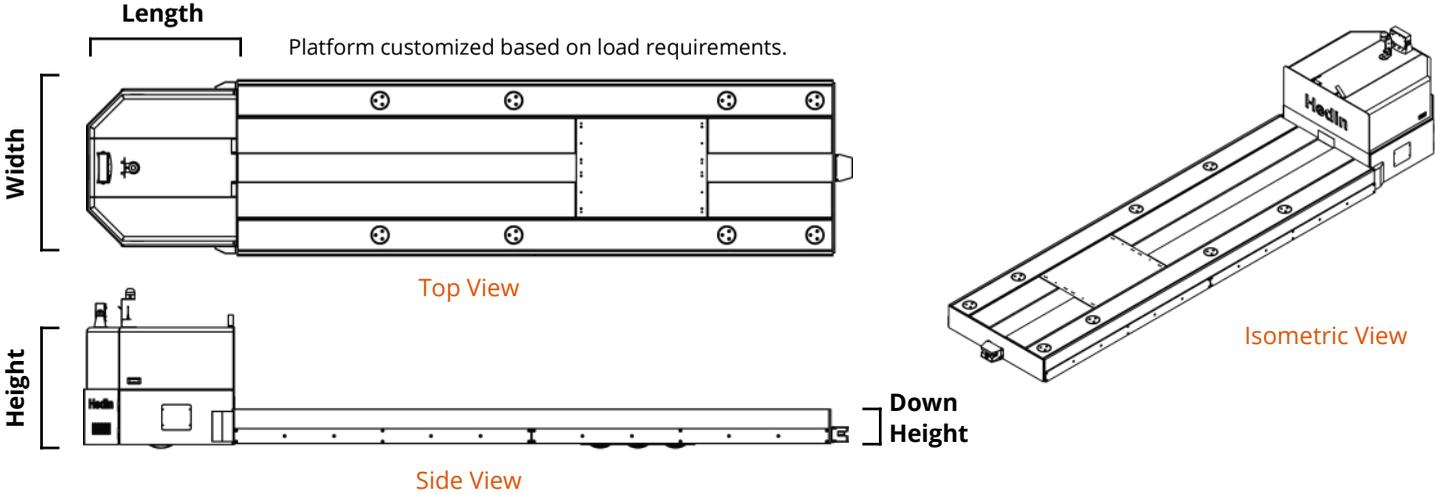
Platform Transporters are available with a steering handle, RF remote controller, as a ride-along model or automated guided vehicle (AGV).



Optional Auxiliary Lift

The Platform Transporter can be kitted with an optional auxiliary lift, granting operators the ability to lift and transport pallets - removing the need for overhead cranes.

Platform Transporter



Platform Transporter Specifications

| Model No. | Capacity | Range | Speed | Header Size | | | Typical | |
|-------------|------------------------|-----------------------|-----------------|-------------------|-------------------|-------------------|----------------|-----------------|
| | | | | Length | Width | Height | Stroke | Down Height |
| HED031 | Total ¹ | Distance ² | Max | | | | | |
| HED031-0020 | 44,000lb 20,000kg | 16,400ft 5,000m | 150fpm 45mpm | 49.21" 1,250mm | 50.39" 1,280mm | 43.31" 1,100mm | 3.11" 80mm | 11" 280mm |
| HED031-0030 | 66,000lb 30,000kg | 14,750ft 4,500m | 100fpm 30mpm | 49.21" 1,250mm | 61" 1,550mm | 46.46" 1,180mm | 3.94" 100mm | 13" 330mm |
| HED031-0040 | 88,000lb 40,000kg | 13,100ft 4,000m | 100fpm 30mpm | 49.21" 1,250mm | 61" 1,550mm | 46.46" 1,180mm | 3.94" 100mm | 13" 330mm |
| HED031-0060 | 132,500lb 60,000kg | 11,500ft 3,500m | 100fpm 30mpm | 49.21" 1,250mm | 61" 1,550mm | 46.46" 1,180mm | 3.94" 100mm | 14.96" 380mm |
| HED031-0080 | 176,500lb 80,000kg | 9,850ft 3,000m | 100fpm 30mpm | 61.02" 1,550mm | 66.54" 1,690mm | 51.18" 1,300mm | 3.94" 100mm | 14.96" 380mm |
| HED031-0120 | 264,500lb 120,000kg | 6,550ft 2,000m | 70fpm 21mpm | 61.02" 1,550mm | 86.61" 2,200mm | 51.18" 1,300mm | 3.94" 100mm | 15.7" 400mm |

1. Based on centrally located load. 2. Battery capacity is based upon full charge, under full load, with continuous operation in a linear path.



Customized Platform

Platform Transporters are custom engineered to your capacity, size, and stroke requirements. No matter how big or small your request is, we're here to exceed your needs.

Range of Bed Height

Our engineering team will work with you to find the best solution for your bed height requirements.

Customizable Pallets

The need for overhead cranes is eliminated with the use of the optional auxiliary lift, working in tandem with custom pallets made for your specific needs.

Mold & Die Transporter



The Mold & Die Transporter is designed to maximize safety and efficiency, creating the easiest way to transport and change dies. With capacities up to 200,000 lbs., the Mold & Die Transporter allows operators to move heavy dies via remote control from a safe distance - improving efficiency and reducing time lost between die changes.

- **Capacities up to 200,000 lbs.**
- **Push/Pull mechanisms for die movements**
- **On board battery recharge system**
- **Improved efficiency when transporting and changing dies**

Features & Benefits



Increased Efficiency

In addition to increased safety, our Quick Mold Die Changers offer increased efficiency over traditional die movements involving overhead cranes, fork trucks, and rail systems.



Multiple Control Options

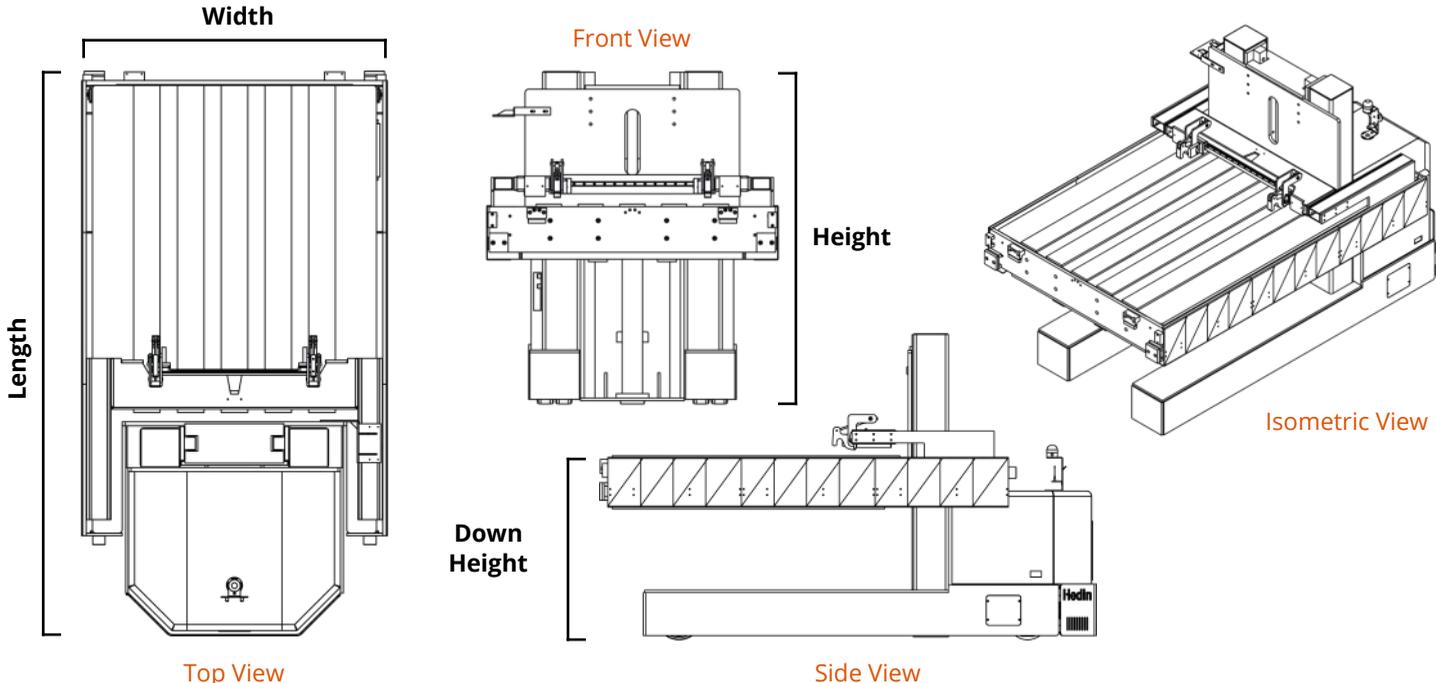
Quick-Change Mold and Die Transporters are available with a steering handle, RF remote controller, as a ride-along model or automated guided vehicle (AGV).



Adjustable Bed Height

The adjustable stroke allows for variable height changes, giving operators the freedom to easily and efficiently change the transporter bed height for a quick change over.

Mold & Die Transporter



Quick-Change Mold & Die Transporter Specifications

| Model No. | Capacity | Range | Speed | Transporter Size | | | Typical | |
|-------------|----------------------|--------------------|-----------------|--------------------|-------------------|--------------------|-------------------|-----------------|
| | | | | Length | Width | Height | Stroke | Down Height |
| HED040-0006 | 13,000lb 6,000kg | 13,100ft 4,000m | 150fpm 45mpm | 165.35" 4,200mm | 90.55" 2,300mm | 104.33" 2,650mm | 41.73" 1,060mm | 21.65" 550mm |
| HED040-0012 | 26,500lb 12,000kg | 13,100ft 4,000m | 100fpm 30mpm | 165.35" 4,200mm | 90.55" 2,300mm | 104.33" 2,650mm | 41.73" 1,060mm | 21.65" 550mm |
| HED040-0020 | 44,000lb 20,000kg | 9,800ft 3,000m | 100fpm 30mpm | 177.16" 4,500mm | 98.43" 2,500mm | 114.17" 2,900mm | 41.73" 1,060mm | 21.65" 550mm |
| HED040-0010 | 22,000lb 10,000kg | 13,100ft 4,000m | 150fpm 45mpm | 141.73" 3,600mm | 55.12" 1,400mm | 82.68" 2,100mm | 31.89" 810mm | 21.65" 550mm |

1. Based on centrally located load. 2. Battery capacity is based upon full charge, under full load, with continuous operation in a linear path.

Higher Capacity Custom Die Changers Available



Flatbed Transporter Single-Drive



Designed to move loads up to 220,000 lbs. with a battery propelled drive unit, the Flatbed Transporter makes moving heavy loads on a facility floor easy. The Flatbed Transporter offers controls via radio controller or an optional automated guidance system.

- **Capacities up to 220,00 lbs.**
- **Optional auxiliary lift**
- **Multiple control options**
- **On board battery recharge system**

Features & Benefits



Range of Capacity Solutions

Hedin USA Flatbed Transporters offer the capability to move loads with capacities ranging from a few thousand pounds to a few hundred thousand pounds.



Optional Auxiliary Lift

The Flatbed Transporter can be kitted with an optional auxiliary lift, granting operators the ability to lift and transport pallets - removing the need for overhead cranes.



Automated Guided Vehicle

Improve facility efficiency with the optional AGV package, allowing the Flatbed Transporter to navigate your facility without a rail system. (Available on Multi-Drive model)

Flatbed Transporter Multi-Drive



Multi-Drive Flatbed Transporters makes moving heavy loads easy, with operating capacity up to 1,000,000lbs. The Flatbed Transporter multi-drive offers a zero-degree turn radius and is controllable via radio controller or an optional automated guidance system for precise automated movement. Our Multi-Drive Flatbed Transporters can also be configured to operate in tandem, enabling the movement of loads up to 2,000,000lbs.

- **Capacities up to 1,000,000 lbs.**
- **Optional Auxiliary Lift**
- **Onboard Recharging System**
- **Zero-Turn Drive System Optional**
- **Tandem Unit Operation Available**

Features & Benefits



Multi-directional Drives

Multi-directional drives enable the Flatbed Transporter to perform zero degree turn, crab steer, and other complex movements.



Optional Auxiliary Lift

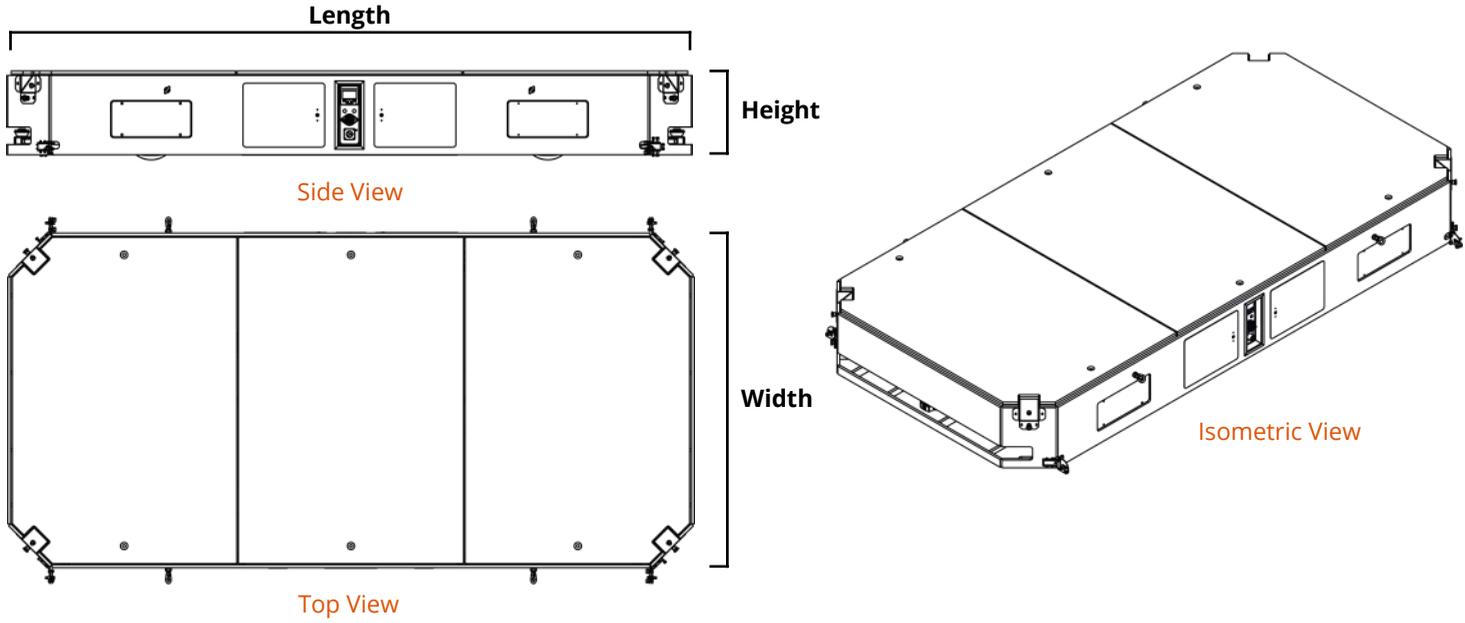
The Flatbed Transporter can be kitted with an optional auxiliary lift, granting operators the ability to lift and transport pallets - removing the need for overhead cranes.



Tandem Operation

Multiple Flatbed Transporters can be connected for tandem operation, resulting in high powered, high capacity transportation.

Flatbed Transporter Single-Drive



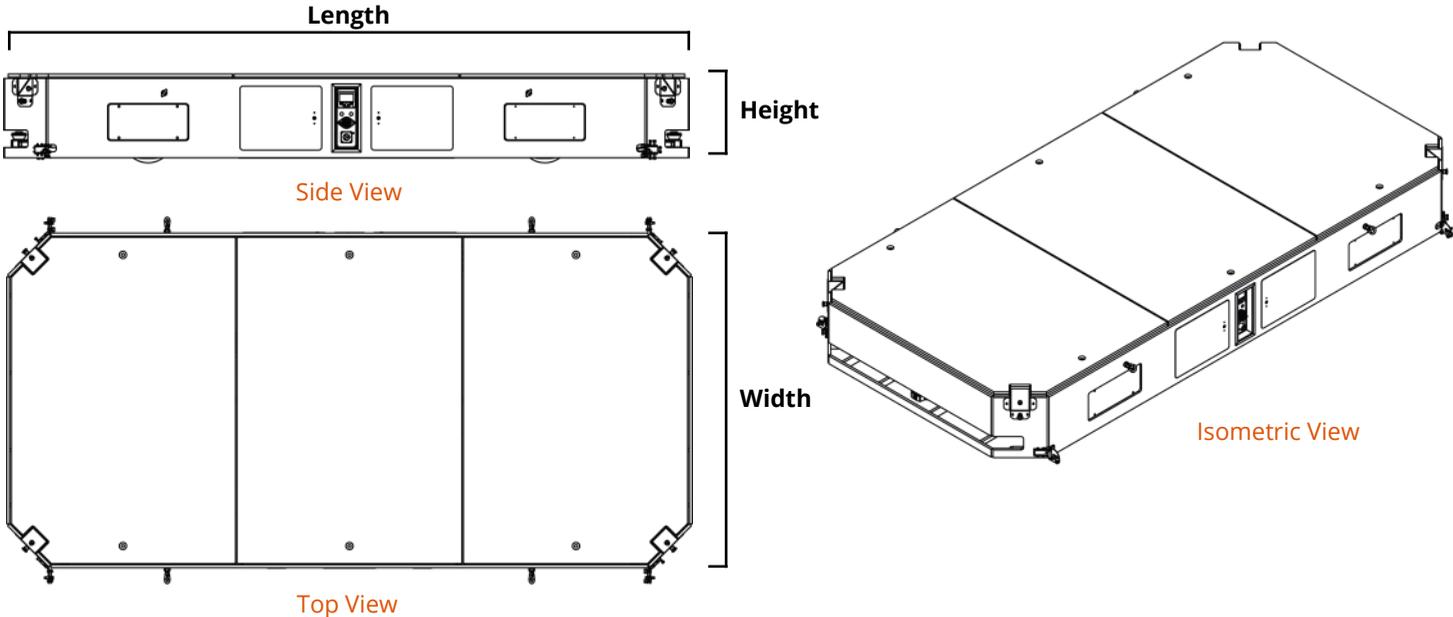
Flatbed Transporter Single-Drive Specifications

| Model No. | Capacity | Range | Speed | Transporter Size ² | | |
|-------------|------------------------|-----------------------|-----------------|-------------------------------|-------------------|-----------------|
| | | | | Length | Width | Height |
| HED010 | Total ¹ | Distance ² | Max | | | |
| HED010-0010 | 22,000lb 10,000kg | 13,100ft 4,000m | 180fpm 55mpm | 98.43" 2,500mm | 55.12" 1,400mm | 19.69" 500mm |
| HED010-0020 | 44,000lb 20,000kg | 19,700ft 6,000m | 150fpm 45mpm | 118.11" 3,000mm | 63" 1,600mm | 22.83" 580mm |
| HED010-0030 | 66,000lb 30,000kg | 19,700ft 6,000m | 100fpm 30mpm | 137.80" 3,500mm | 78.74" 2,000mm | 25.59" 650mm |
| HED010-0040 | 88,000lb 40,000kg | 13,100ft 4,000m | 100fpm 30mpm | 157.48" 4,000mm | 78.74" 2,000mm | 25.59" 650mm |
| HED010-0060 | 132,500lb 60,000kg | 13,100ft 4,000m | 100fpm 30mpm | 157.48" 4,000mm | 78.74" 2,000mm | 25.59" 650mm |
| HED010-0080 | 176,500lb 80,000kg | 9,850ft 3,000m | 85fpm 26mpm | 177.17" 4,500mm | 90.55" 2,300mm | 29.53" 750mm |
| HED010-0100 | 220,500lb 100,000kg | 9,850ft 3,000m | 85fpm 26mpm | 177.17" 4,500mm | 90.55" 2,300mm | 29.53" 750mm |

1. Based on centrally located load. 2. Battery capacity is based upon full charge, under full load, with continuous operation in a linear path.



Flatbed Transporter Single-Drive with Lift



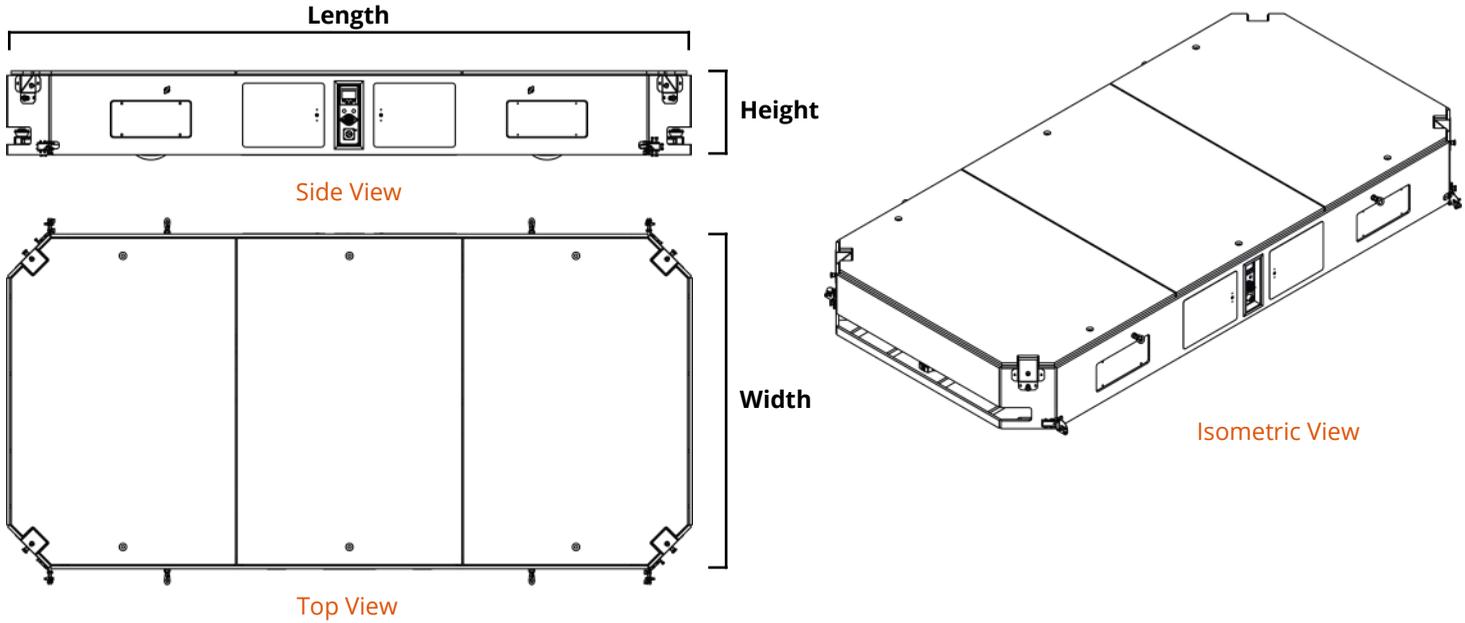
Flatbed Transporter Single-Drive with Lift Specifications

| Model No. | Capacity | Stroke | Range | Speed | Transporter Size ² | | |
|-------------|------------------------|----------------|-----------------------|-----------------|-------------------------------|-------------------|-----------------|
| | | | | | Length | Width | Height |
| HED020 | Total ¹ | | Distance ² | Max | | | |
| HED020-0010 | 22,000lb 10,000kg | 3.15" 80mm | 13,100ft 5,000m | 180fpm 55mpm | 98.43" 2,500mm | 55.12" 1,400mm | 19.69" 500mm |
| HED020-0020 | 44,000lb 20,000kg | 3.15" 80mm | 19,700ft 6,000m | 150fpm 45mpm | 118.11" 3,000mm | 63" 1,600mm | 22.83" 580mm |
| HED020-0030 | 66,000lb 30,000kg | 3.94" 100mm | 19,700ft 6,000m | 100fpm 30mpm | 137.80" 3,500mm | 78.74" 2,000mm | 25.59" 650mm |
| HED020-0040 | 88,000lb 40,000kg | 3.94" 100mm | 13,100ft 4,000m | 100fpm 30mpm | 157.48" 4,000mm | 78.74" 2,000mm | 25.59" 650mm |
| HED020-0060 | 132,500lb 60,000kg | 3.94" 100mm | 13,100ft 4,000m | 100fpm 30mpm | 157.48" 4,000mm | 78.74" 2,000mm | 25.59" 650mm |
| HED020-0080 | 176,500lb 80,000kg | 5.91" 150mm | 9,850ft 3,000m | 85fpm 26mpm | 177.17" 4,500mm | 90.55" 2,300mm | 29.53" 750mm |
| HED020-0100 | 220,500lb 100,000kg | 5.91" 150mm | 9,850ft 3,000m | 85fpm 26mpm | 177.17" 4,500mm | 90.55" 2,300mm | 29.53" 750mm |

1. Based on centrally located load. 2. Battery capacity is based upon full charge, under full load, with continuous operation in a linear path.



Flatbed Transporter Multi-Drive



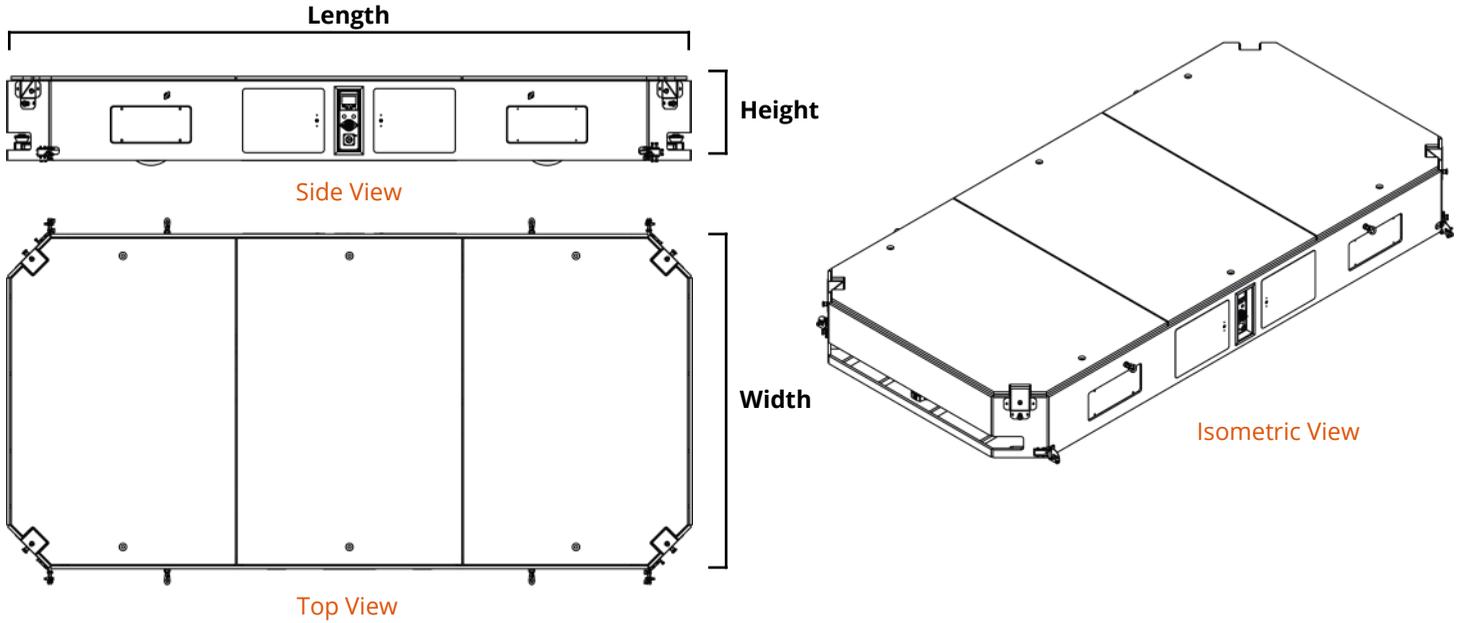
Flatbed Transporter Multi-Drive Specifications

| Model No. | Capacity | Range | Speed | Transporter Size ² | | |
|-------------|------------------------|-----------------------|-----------------|-------------------------------|--------------------|-------------------|
| | | | | Length | Width | Height |
| HED011 | Total ¹ | Distance ² | Max | | | |
| HED011-0010 | 22,000lb 10,000kg | 13,100ft 5,000m | 180fpm 55mpm | 118.11" 3,000mm | 70.87" 1,800mm | 19.69" 500mm |
| HED011-0020 | 44,000lb 20,000kg | 19,700ft 6,000m | 150fpm 45mpm | 137.80" 3,500mm | 78.74" 2,000mm | 22.83" 580mm |
| HED011-0040 | 88,000lb 40,000kg | 19,700ft 6,000m | 100fpm 30mpm | 177.17" 4,500mm | 90.55" 2,300mm | 25.59" 650mm |
| HED011-0060 | 132,500lb 60,000kg | 16,400ft 5,000m | 150fpm 45mpm | 196.85" 5,000mm | 90.55" 2,300mm | 29.53" 750mm |
| HED011-0100 | 220,500lb 100,000kg | 13,100ft 4,000m | 150fpm 45mpm | 196.85" 5,000mm | 90.55" 2,300mm | 29.53" 750mm |
| HED011-0250 | 551,000lb 250,000kg | 9,850ft 3,000m | 100fpm 30mpm | 275.59" 7,000mm | 114.17" 2,900mm | 35.43" 900mm |
| HED011-0450 | 992,000lb 450,000kg | 9,850ft 3,000m | 70fpm 21mpm | 334.65" 8,500mm | 208.66" 5,300mm | 51.18" 1,300mm |

1. Based on centrally located load. 2. Battery capacity is based upon full charge, under full load, with continuous operation in a linear path.



Flatbed Transporter Multi-Drive with Lift



Flatbed Transporter Multi-Drive with Lift Specifications

| Model No. | Capacity | Stroke | Range | Speed | Transporter Size ² | | |
|-------------|------------------------|---------------|-----------------------|-----------------|-------------------------------|--------------------|-------------------|
| | | | | | Length | Width | Height |
| HED021 | Total ¹ | | Distance ² | Max | | | |
| HED021-0010 | 22,000lb 10,000kg | 1.38" 35mm | 13,100ft 3,993m | 180fpm 55mpm | 118.11" 3,000mm | 70.87" 1,800mm | 19.69" 500mm |
| HED021-0020 | 44,000lb 20,000kg | 1.38" 35mm | 19,700ft 6,005m | 150fpm 45mpm | 137.80" 3,500mm | 78.74" 2,000mm | 22.83" 580mm |
| HED021-0040 | 88,000lb 40,000kg | 1.77" 45mm | 19,700ft 6,005m | 100fpm 30mpm | 177.17" 4,500mm | 90.55" 2,300mm | 25.59" 650mm |
| HED021-0060 | 132,500lb 60,000kg | 1.77" 45mm | 16,400ft 4,998m | 150fpm 45mpm | 196.85" 5,000mm | 90.55" 2,300mm | 29.53" 750mm |
| HED021-0100 | 220,500lb 100,000kg | 1.58" 40mm | 13,100ft 3,993m | 150fpm 45mpm | 196.85" 5,000mm | 90.55" 2,300mm | 29.53" 750mm |
| HED021-0250 | 551,000lb 250,000kg | 1.58" 40mm | 9,850ft 3,002m | 100fpm 30mpm | 275.59" 7,000mm | 114.17" 2,900mm | 35.43" 900mm |
| HED021-0450 | 992,000lb 450,000kg | 2.36" 60mm | 9,850ft 3,002m | 70fpm 21mpm | 334.65" 8,500mm | 208.66" 5,300mm | 51.18" 1,300mm |

1. Based on centrally located load. 2. Battery capacity is based upon full charge, under full load, with continuous operation in a linear path.





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