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AIR-POWERED MATERIAL HANDLING

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AIRFLOAT PRODUCTS



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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

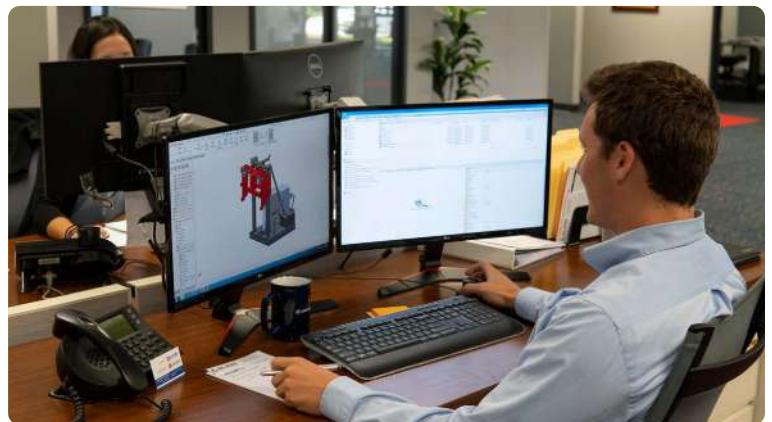
Airfloat, established in 1967, pioneered air caster technology, enabling the efficient movement of heavy loads with minimal friction. Over the years, we have expanded our product line to serve diverse industries such as automotive, aerospace, manufacturing, and assembly lines. We continue to focus on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



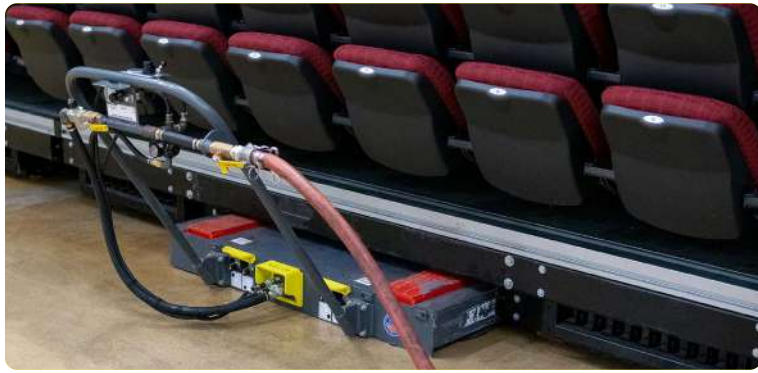
AIR SKIDS AT CUSTOMER SITE

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

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.



AIR CASTER SLIDE-OUT TRAY

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 HEIGHT¹

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



AIR SKIDS

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 SKID CONTROLLER

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

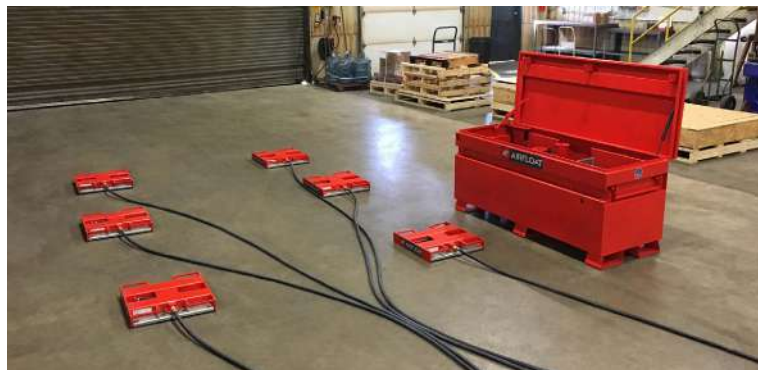
Air Skids, also known as Air Skates, are designed to be placed under, or mounted to the bottom of a load. When the Air Casters are inflated, they create a cushion of air that lifts the load, allowing for smooth, near-frictionless movement. Based on the load size and capacity, they can be arranged in 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**



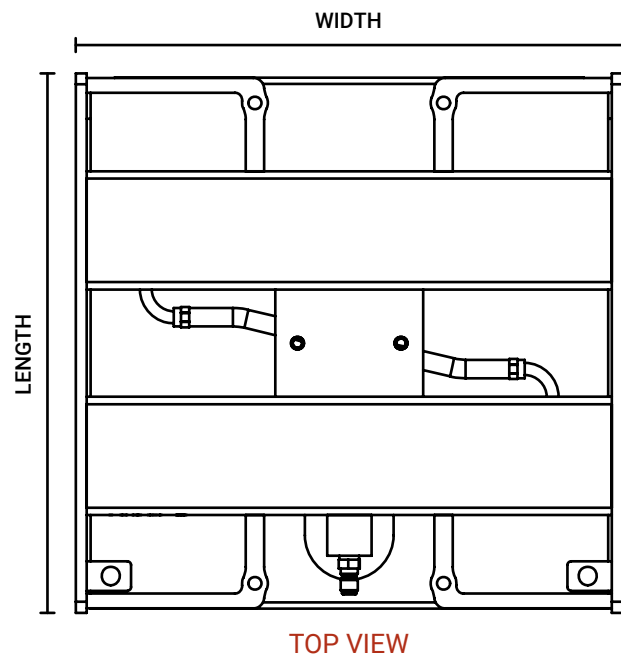
FLEXIBLE WITH A RANGE OF LOAD SIZES

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.

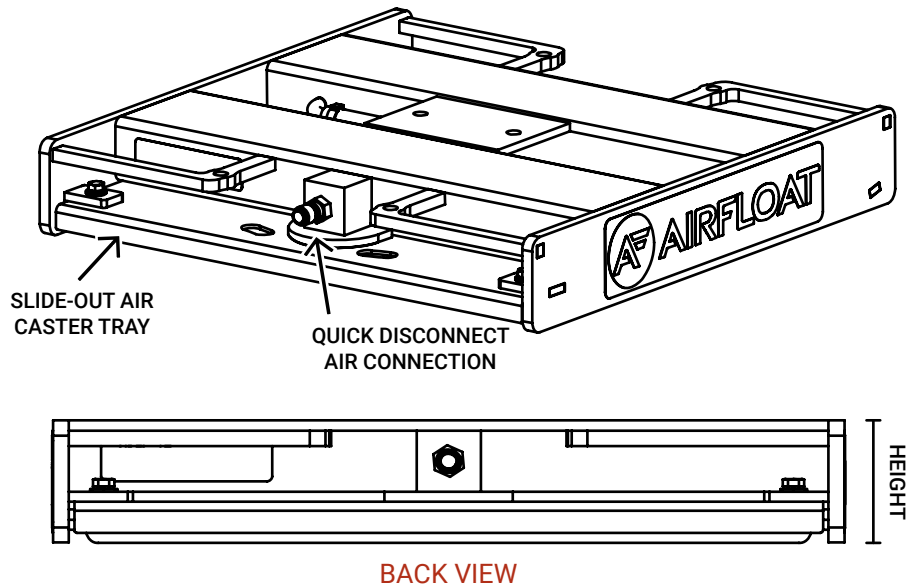


ALL-IN-ONE RIGGING KIT

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.



ISOMETRIC VIEW



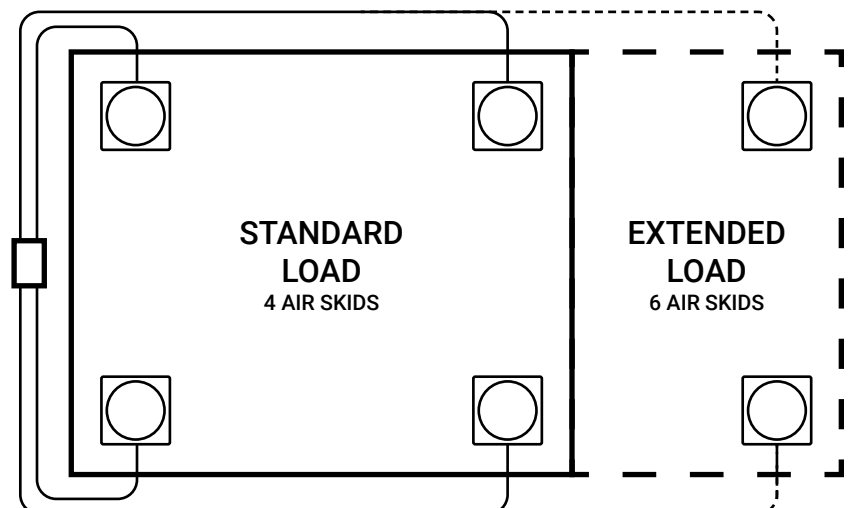
SET OF 4 & 6 AIR SKID SPECIFICATIONS

MODELS	SET OF 4 SKIDS		SET OF 6 SKIDS		HEIGHT	SKID SIZE	WEIGHT
	CAPACITY	AIR FLOW	CAPACITY	AIR FLOW	DEFLATED ¹	L x W	1x SKID
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**



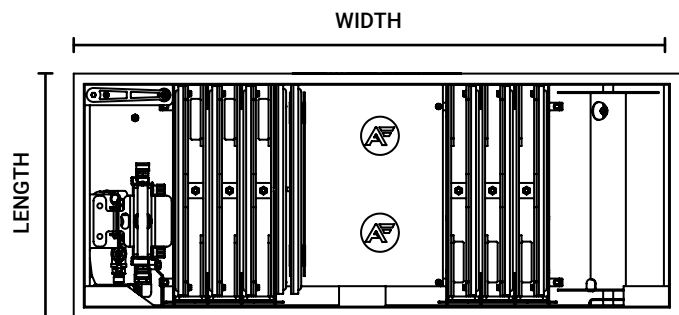
WHAT'S IN THE BOX?

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.

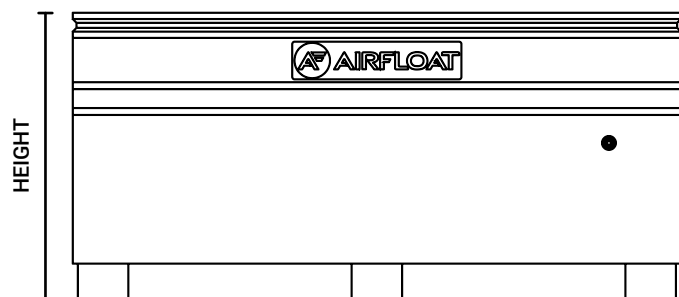


STORAGE & TRANSPORTATION MADE EASY

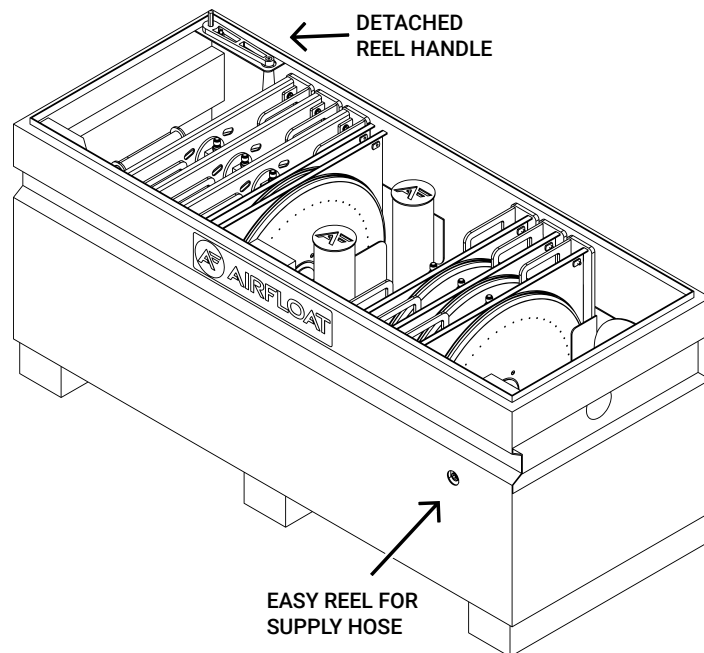
Everything needed for the job and more, the Rigging Kit makes Air Skid storage and transportation easy. The portable kit fits in most pickup truck beds and can be unloaded using its heavy-duty recessed side handles or a forklift.



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
	CAPACITY	AIR FLOW	WEIGHT	CAPACITY	AIR FLOW	WEIGHT	
STANDARD							L x W x H
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+



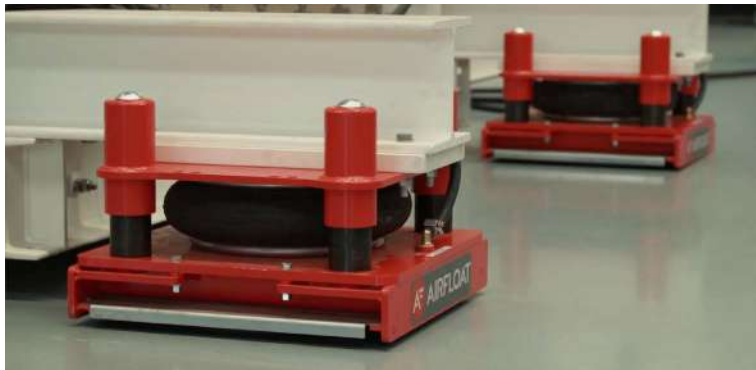
HEIGHT AS LOW AS
5.75 INCHES



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*



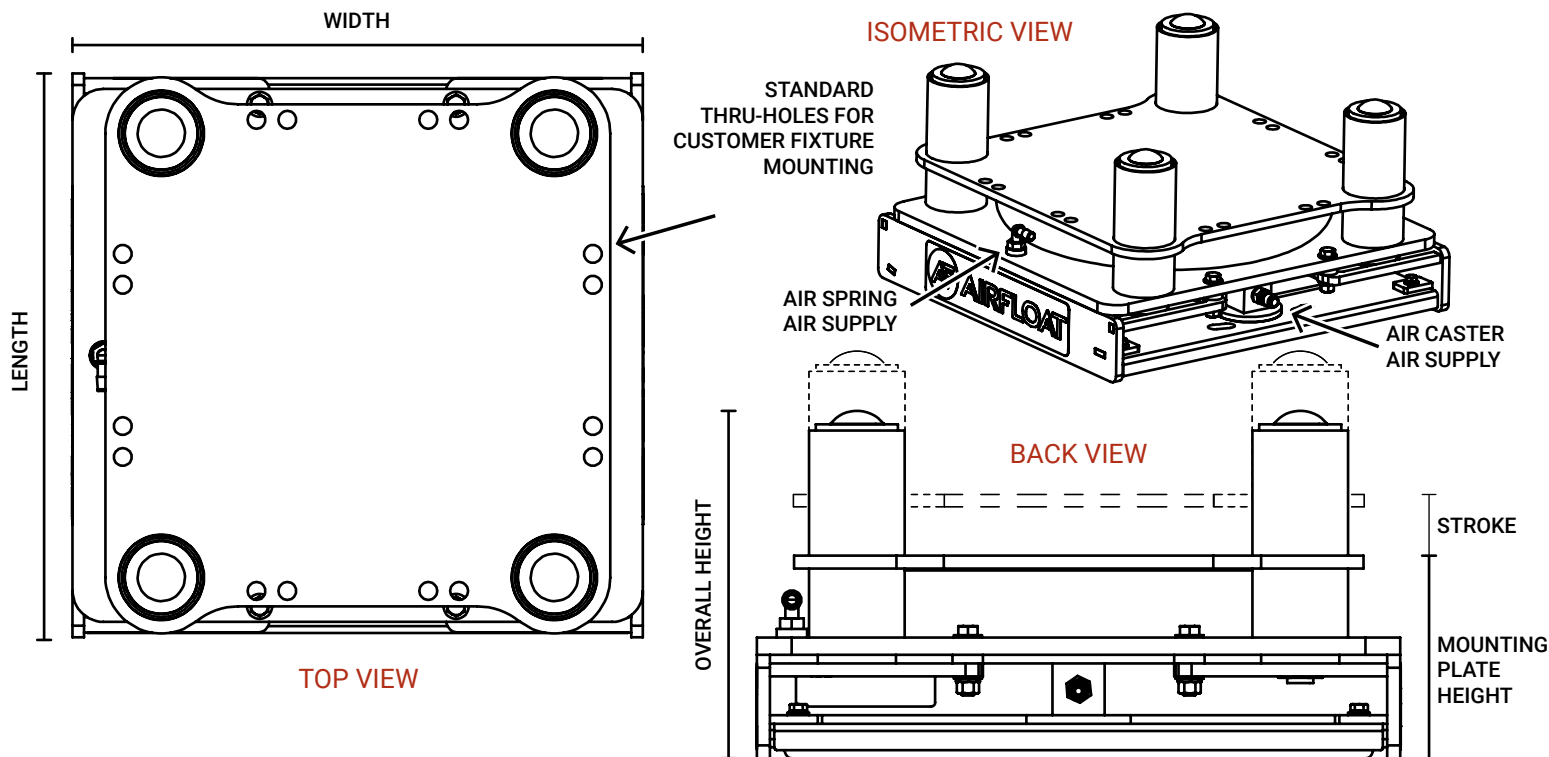
FITTED TO A LOAD OR FIXTURE

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.



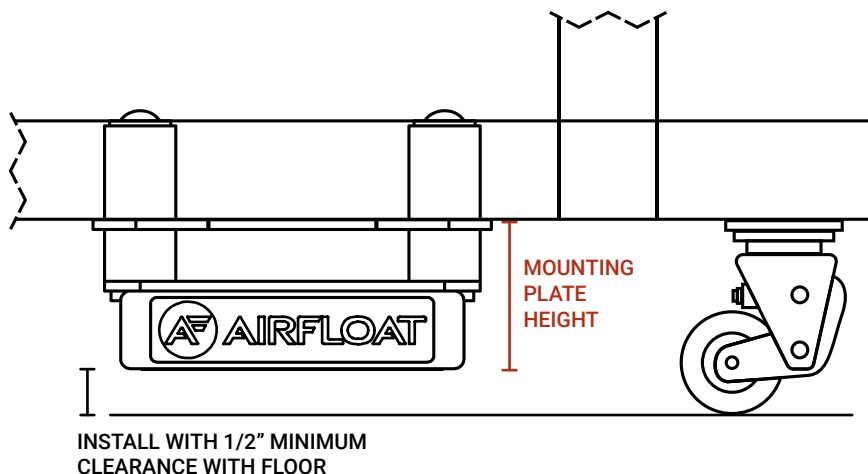
SET OF 4 AIR SKID LIFT GLIDES SPECIFICATIONS

MODELS	SET OF 4 GLIDES		STROKE	MOUNTING PLATE HEIGHT		SKID SIZE
	CAPACITY	AIR FLOW		DEFLATED ¹	L x W x OVERALL HEIGHT ¹	
STANDARD			LIFT			
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





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**



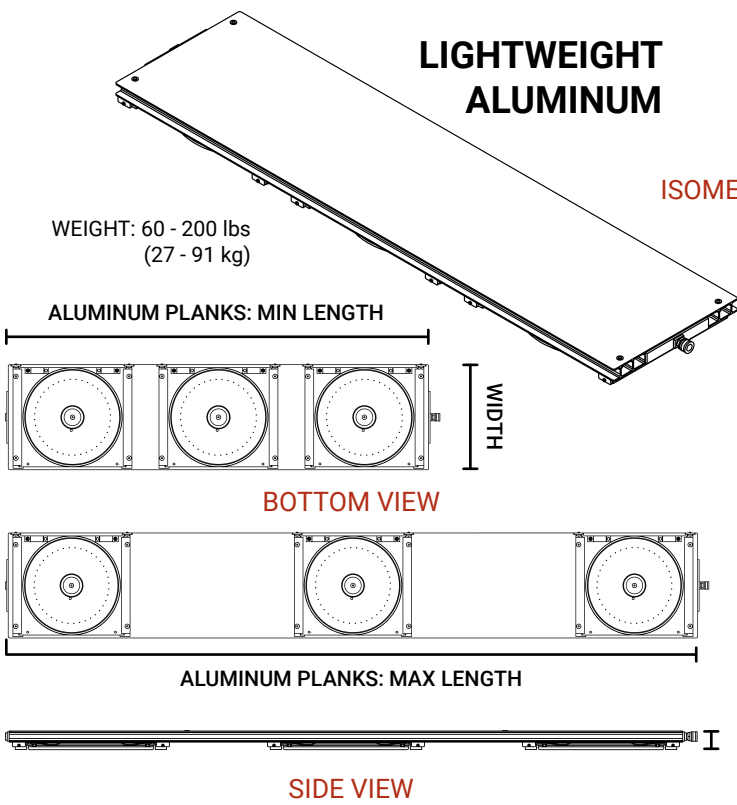
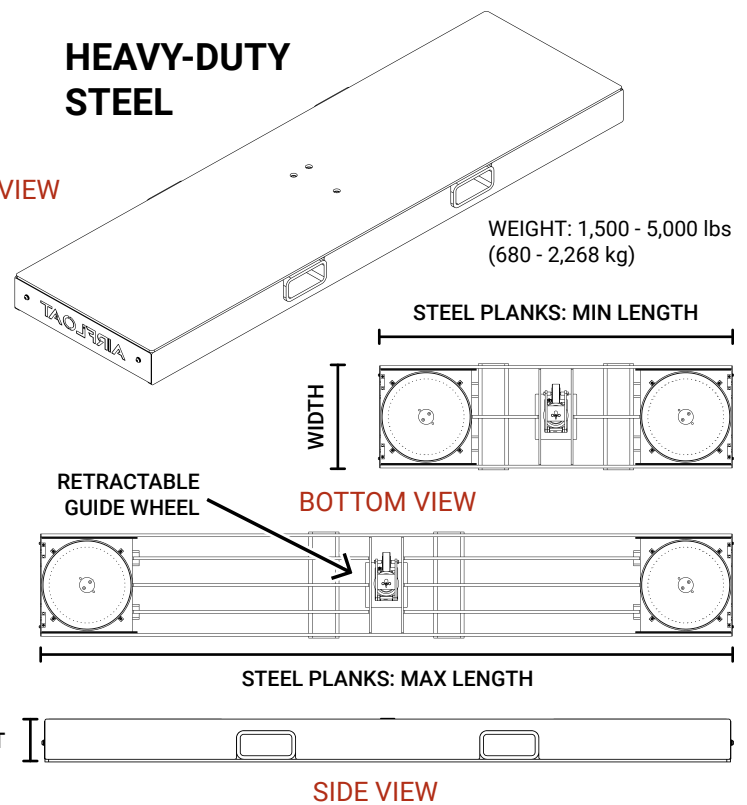
LIGHTWEIGHT ALUMINUM PLANKS

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		
		CAPACITY	AIR FLOW	CAPACITY	AIR FLOW	LENGTH	WIDTH	HEIGHT ¹
ALUMINUM PLANKS	STANDARD							
	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	66 - 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
STEEL PLANKS	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
	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**



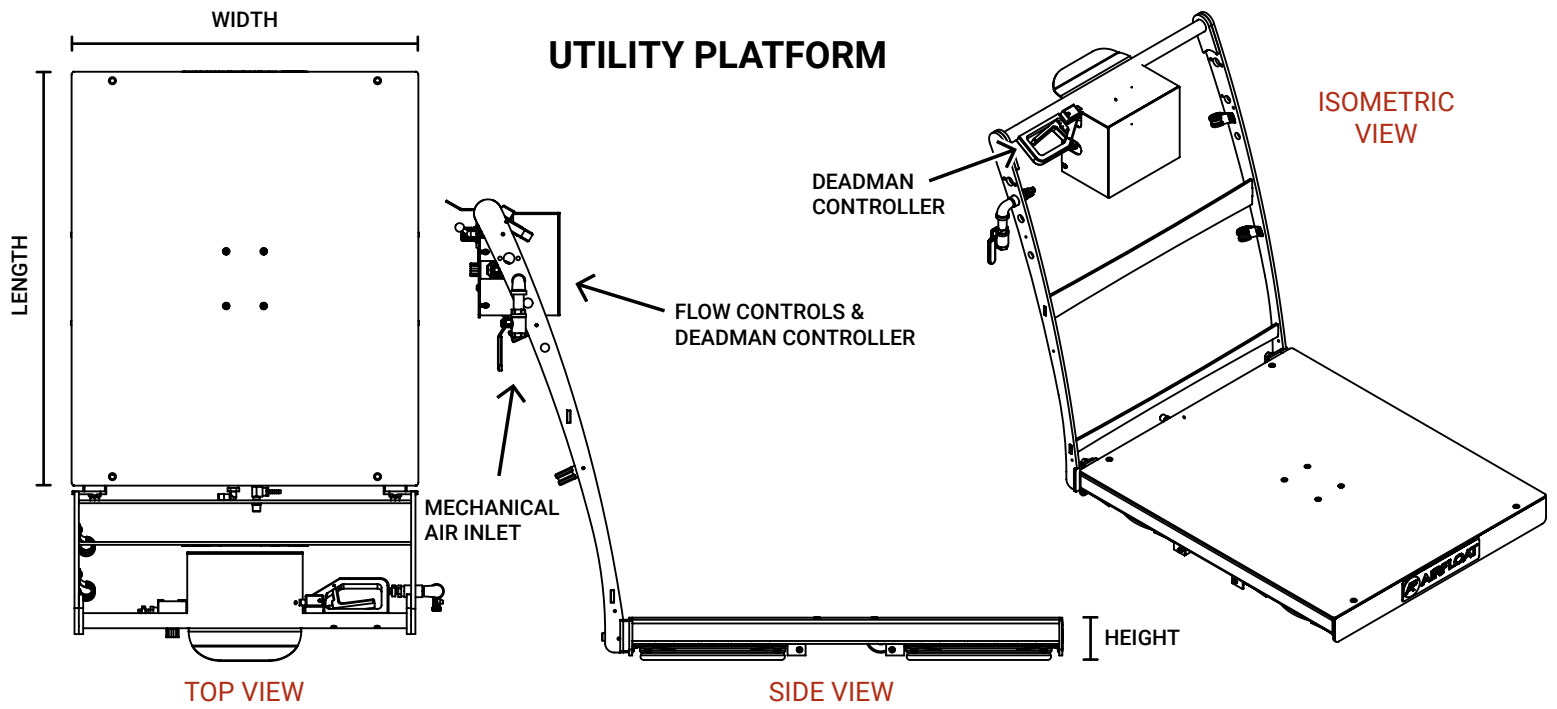
INTEGRATE ERGONOMIC EQUIPMENT

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.

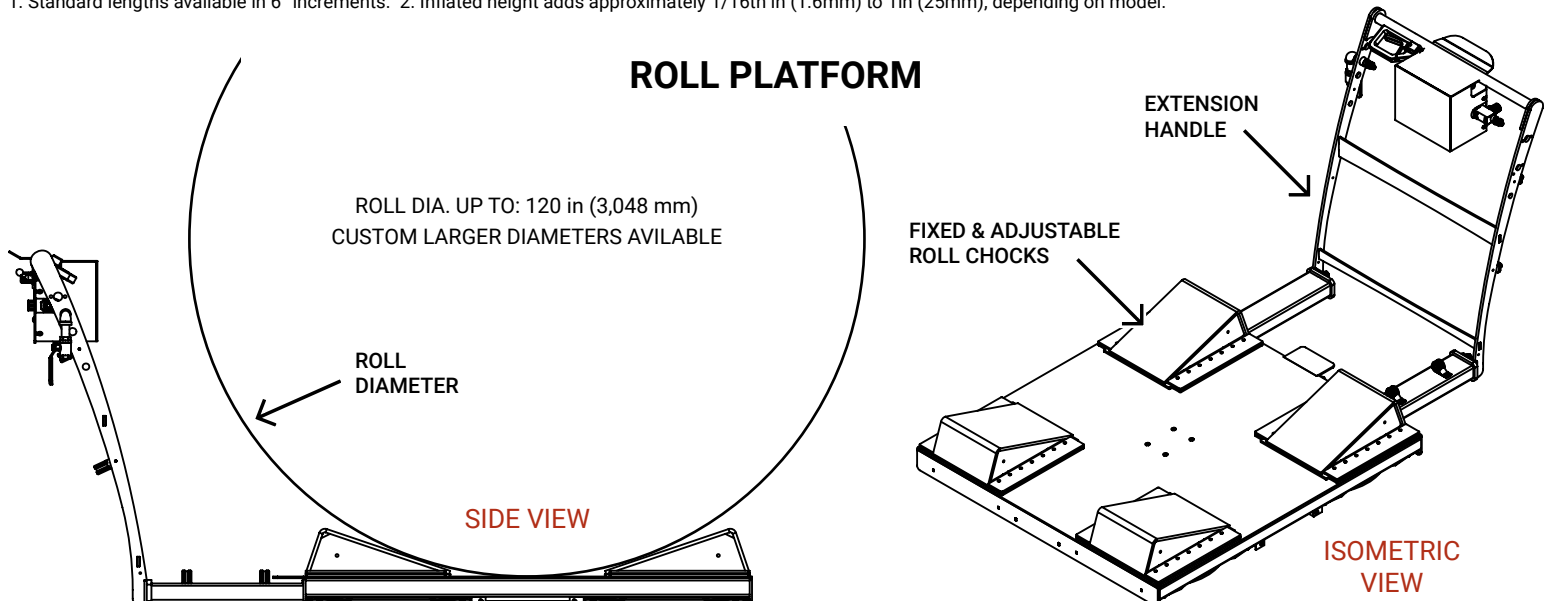


UTILITY PLATFORM SPECIFICATIONS

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

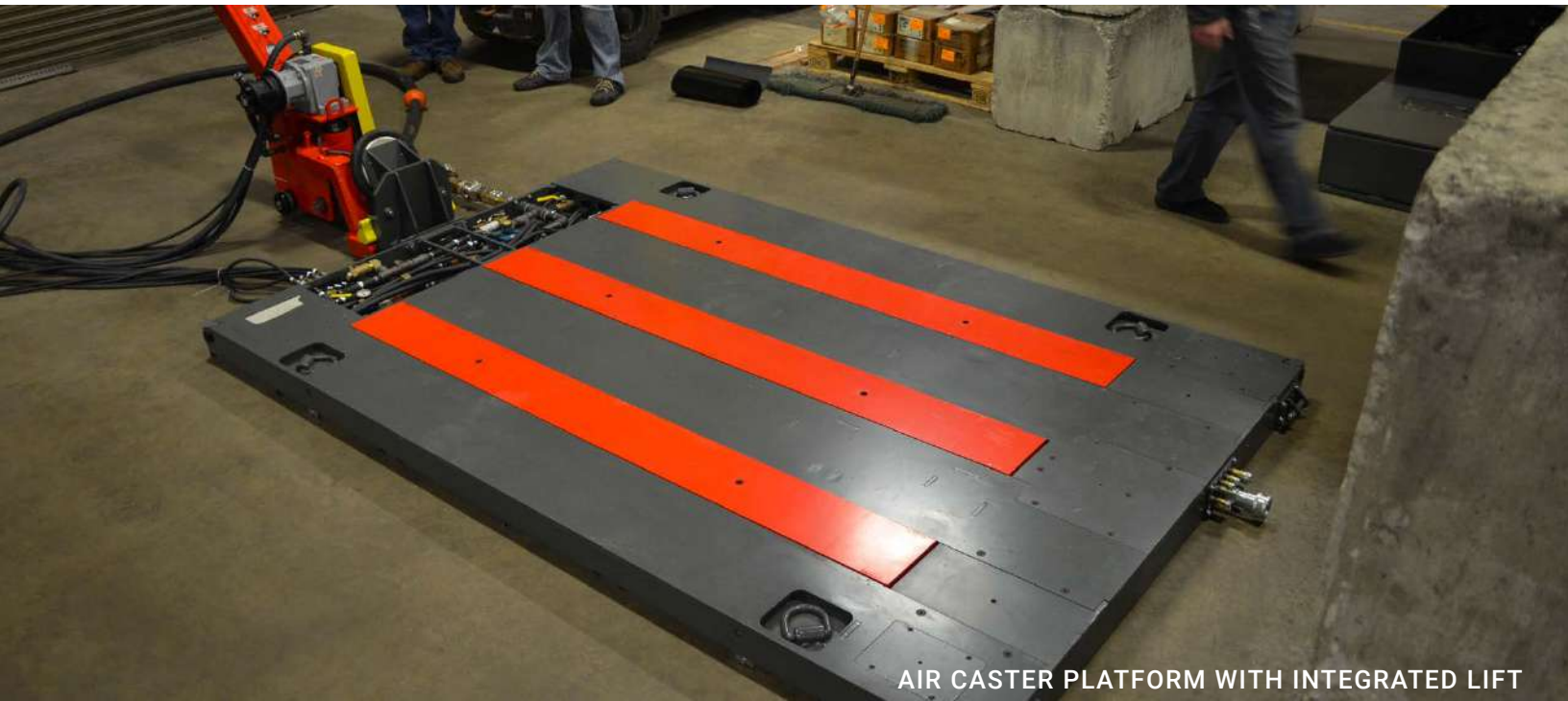
CUSTOM PLATFORM SIZES, CAPACITIES, AND CONFIGURATIONS AVAILABLE

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**



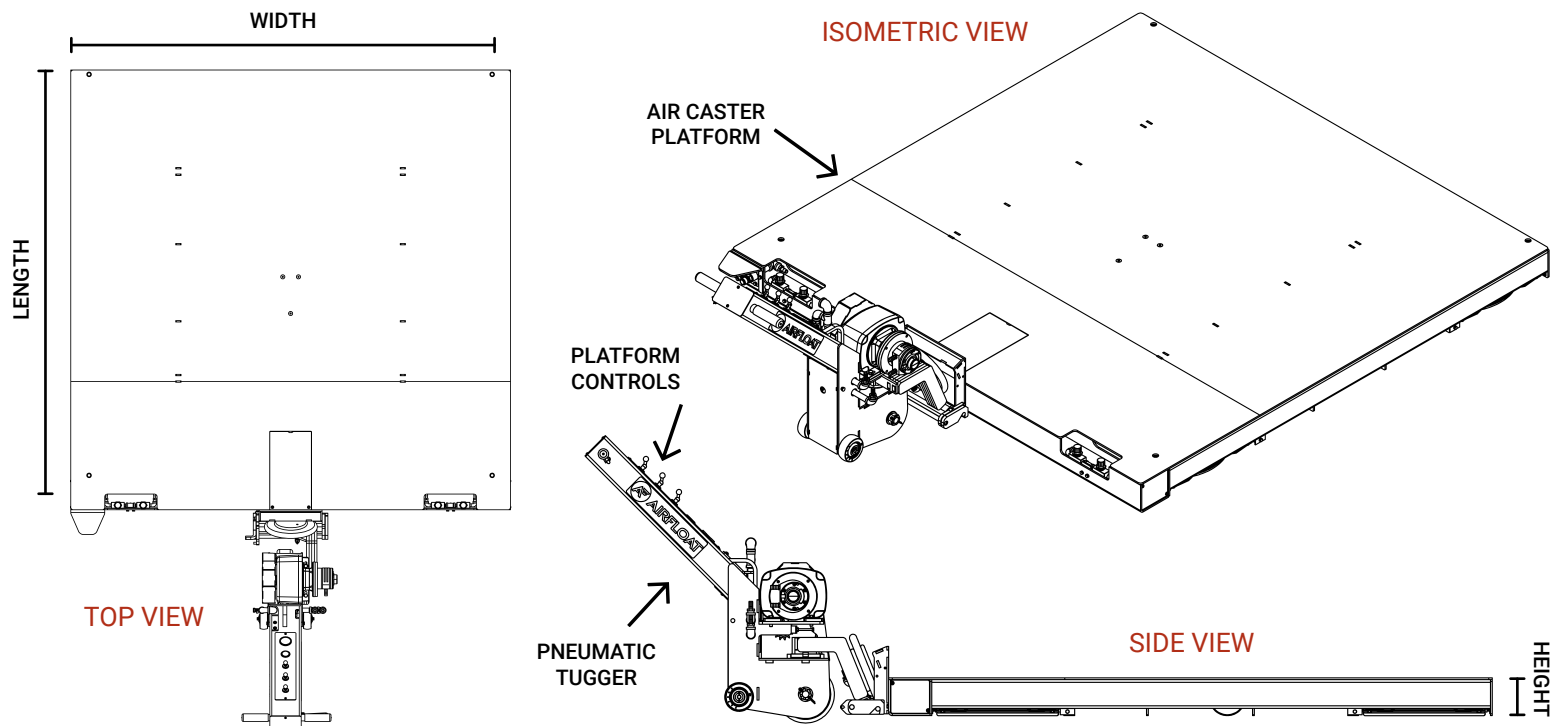
PNEUMATIC PUSH-PULL TUGGER

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.

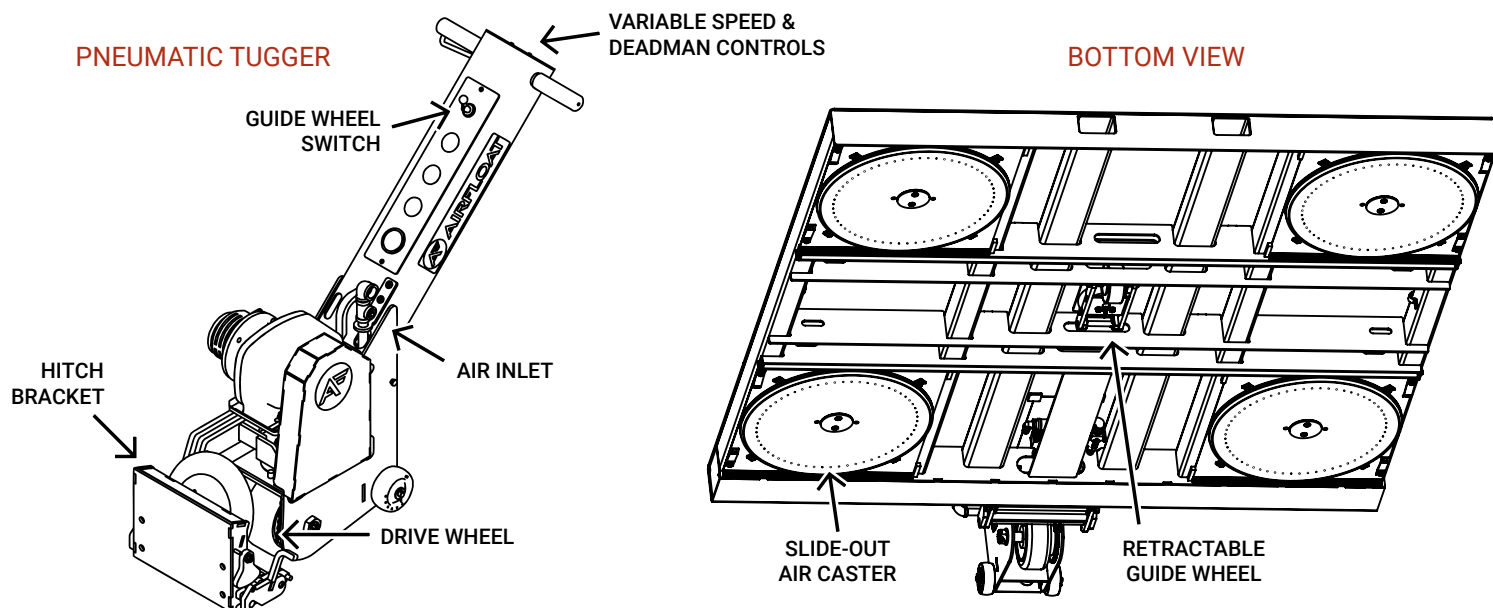


AIR CASTER PLATFORM SPECIFICATIONS

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***



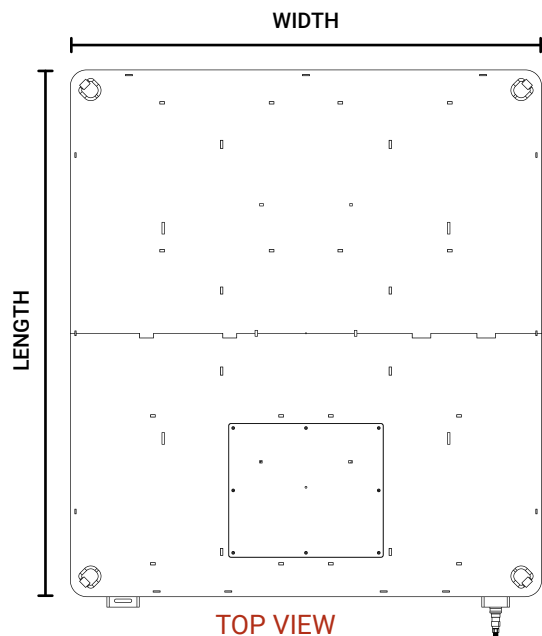
INTEGRATED DRIVES AND HAND PENDANT

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.

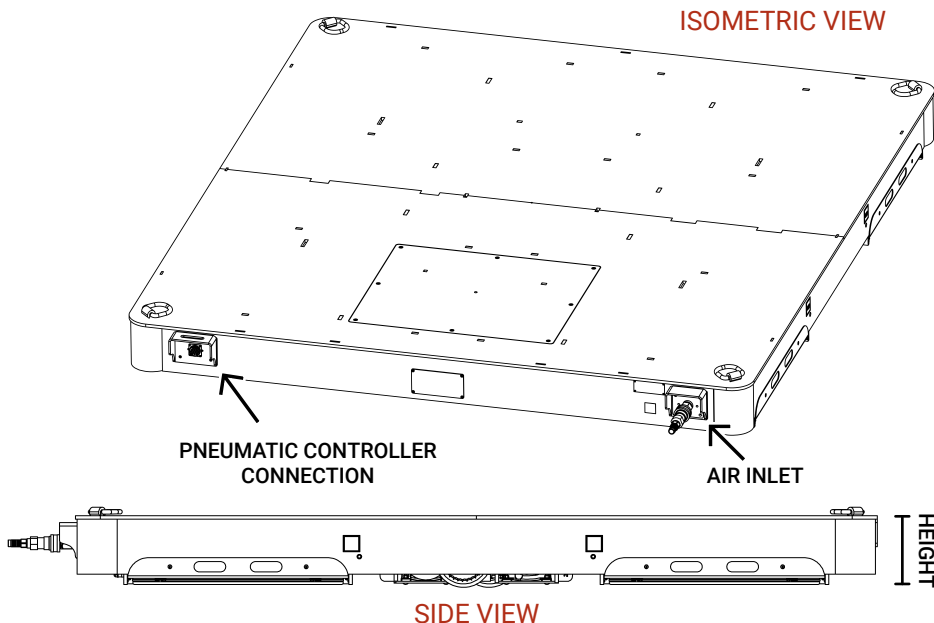


EFFICIENT LOADING WITH SECONDARY LIFT

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

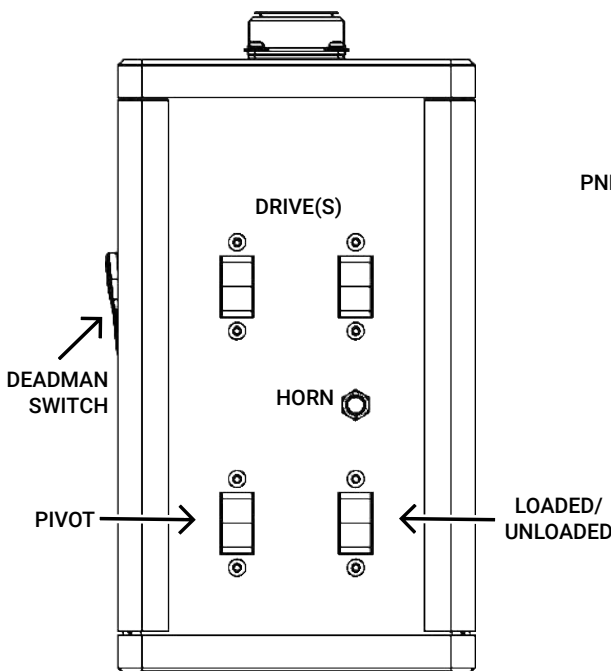
AIR CASTER TRANSPORTER SPECIFICATIONS

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

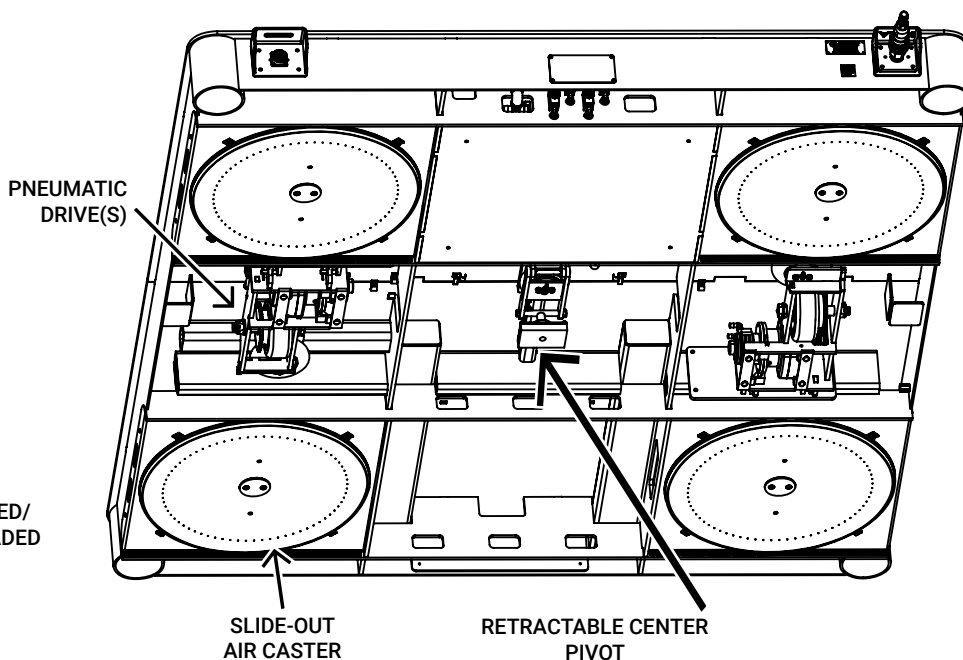
CUSTOM PLATFORM SIZES, CAPACITIES, AND CONFIGURATIONS AVAILABLE

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*



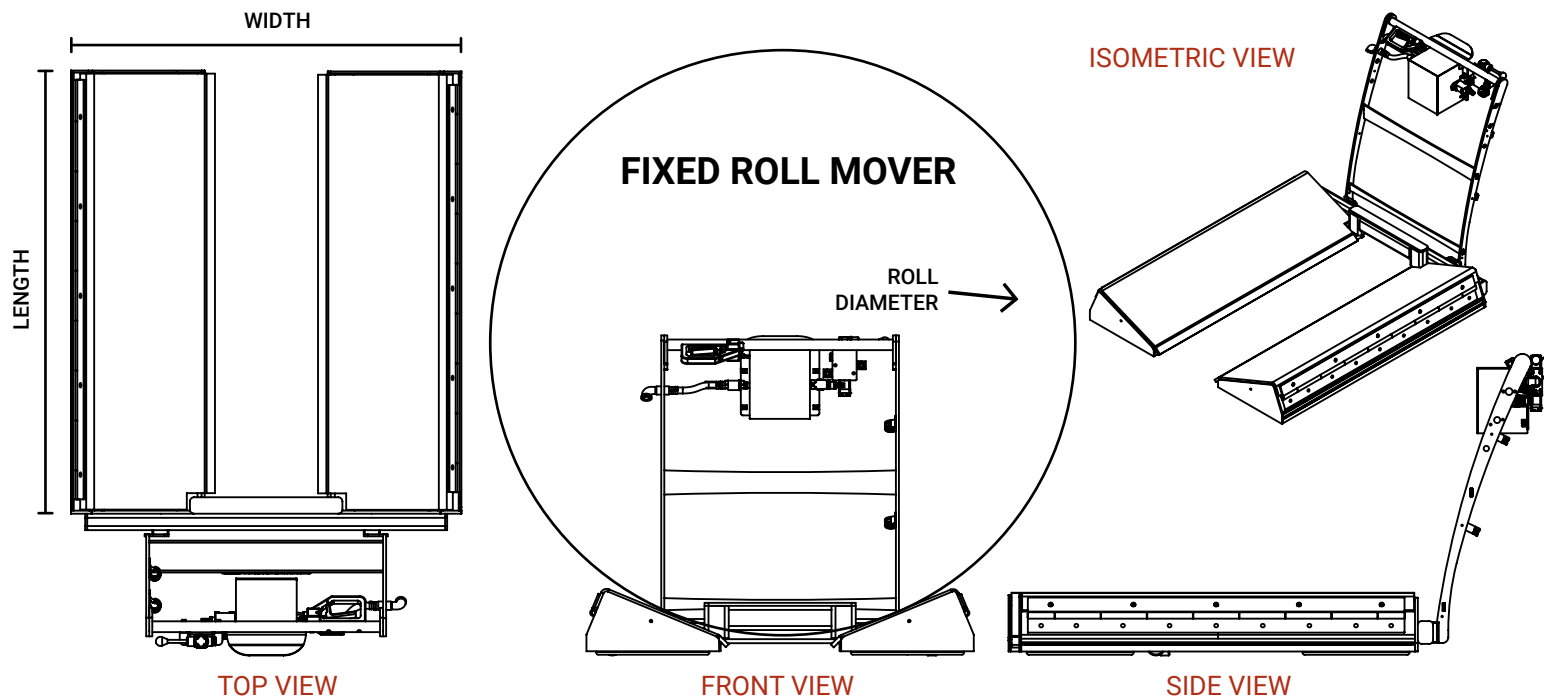
FIXED AIR CASTER ROLL MOVER

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.

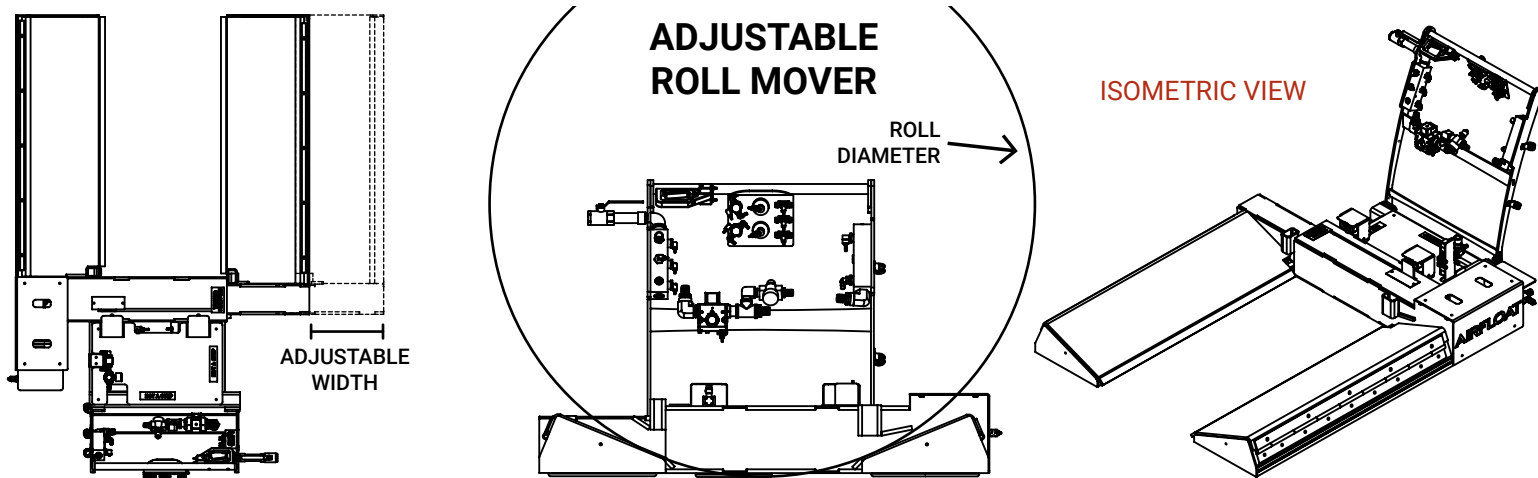


AIR ROLL MOVER SPECIFICATIONS

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.





MATERIAL HANDLING CATALOG

www.alignprod.com

ALIGN PRODUCTS



TURNTABLES

31-32 [AIR CASTER TURNTABLE](#)

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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

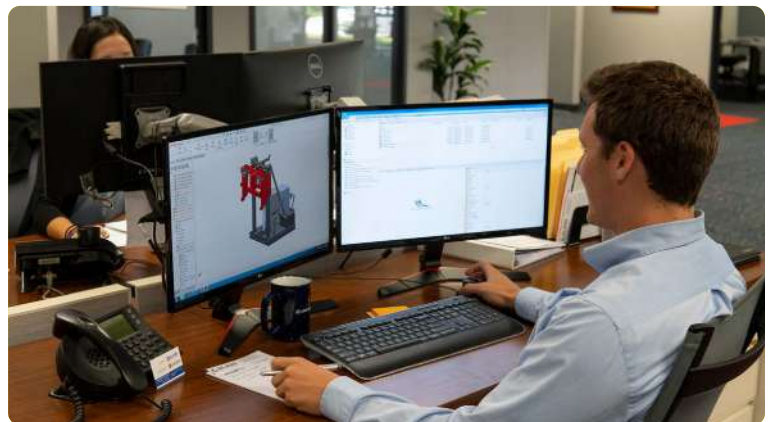
Align Production Systems designs and builds heavy-duty material handling equipment for industrial environments. From AGVs and turntables to ergonomic tools, we help manufacturers move large, heavy loads safely and efficiently. Our AGV systems are designed to automate material flow, reduce downtime, and 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

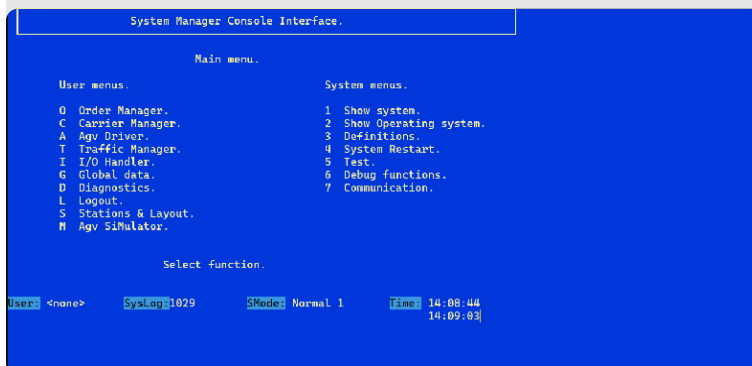
Hybrid navigation systems combine methods to provide flexibility for complex layouts and routes.

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***



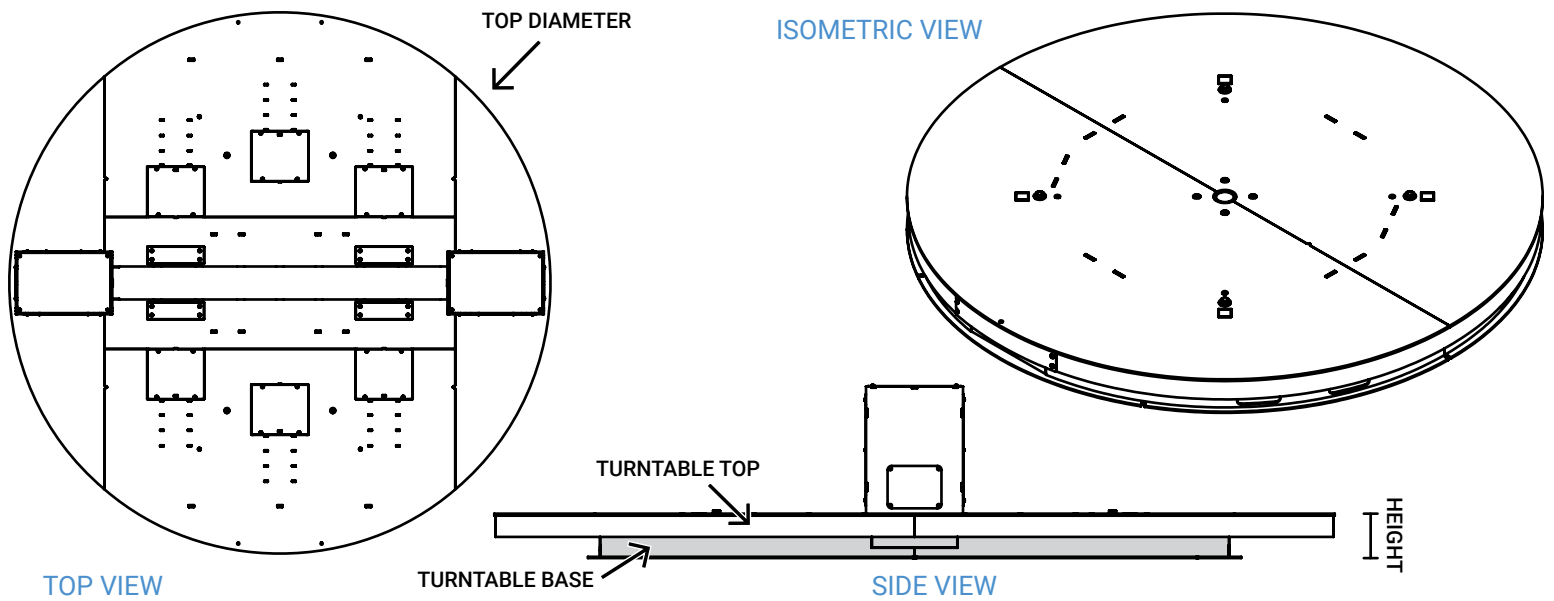
ROUND TURNTABLE

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"***



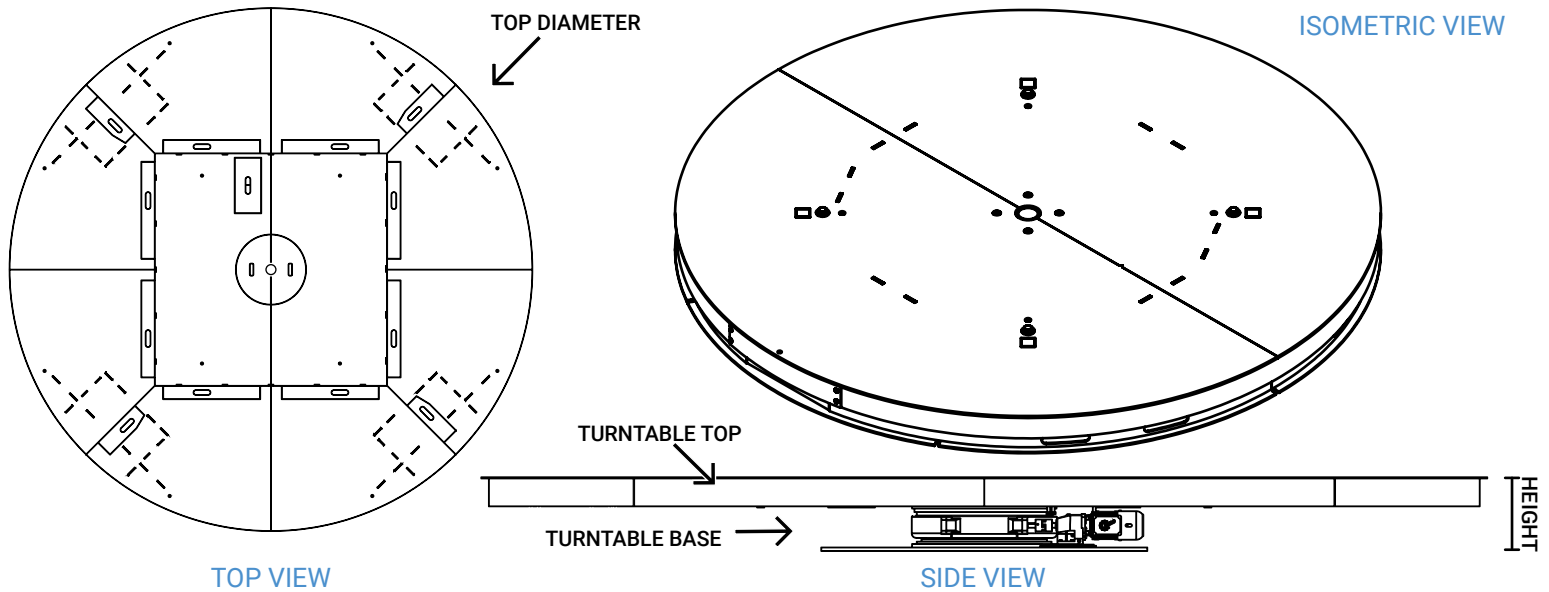
PRECISION MECHANICAL TURNTABLE

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 TURNABLE 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 TURNABLE 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"*



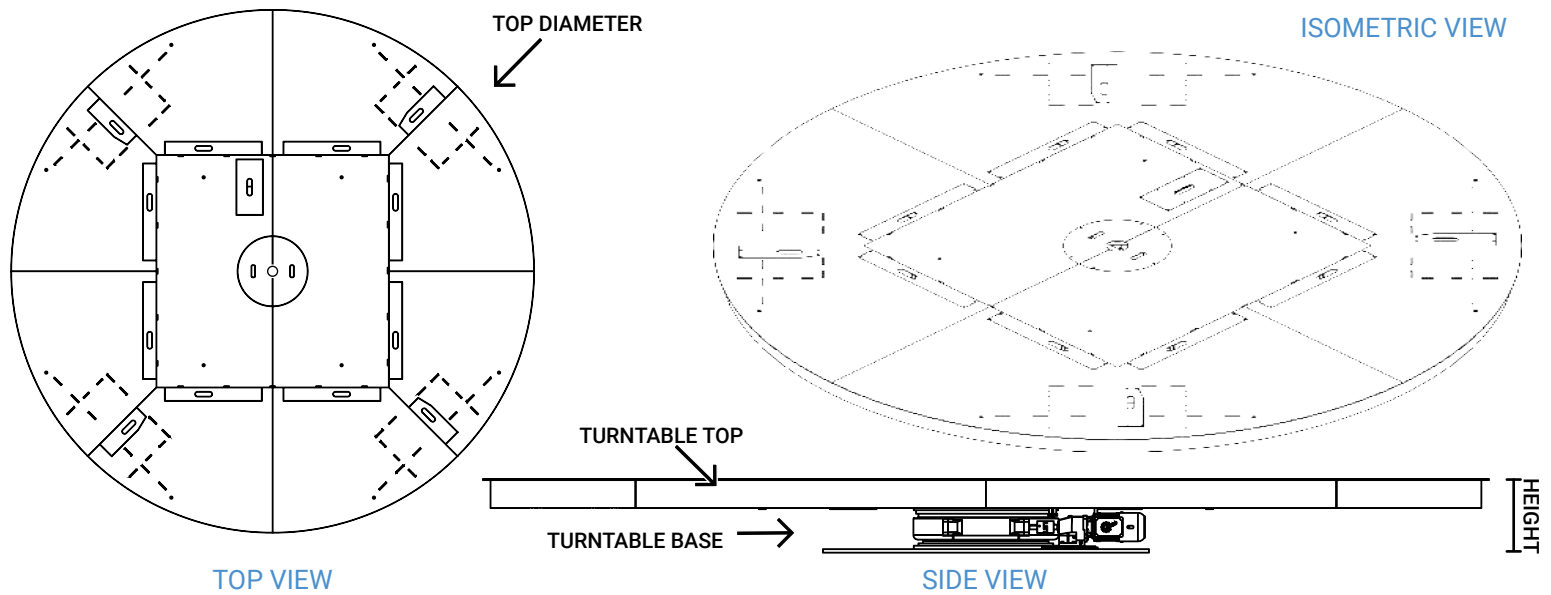
PRECISION MECHANICAL TURNTABLE

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
	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
	TOTAL	DIAMETER	DIAMETER		AS LOW AS	DEGREES
APS070 / 71						
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
	TOTAL	DIAMETER	DIAMETER		MIN-MAX	DEGREES
AX010						
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



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*



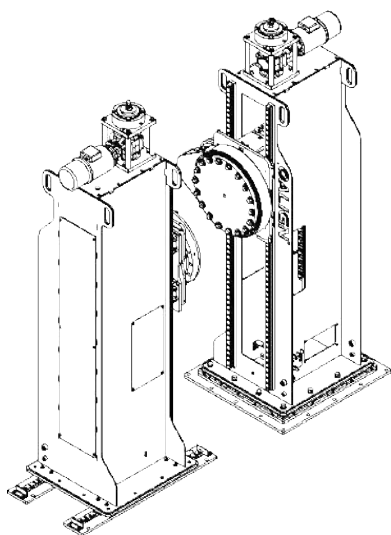
FLEXIBILITY WITH ADJUSTABLE RAILS

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.

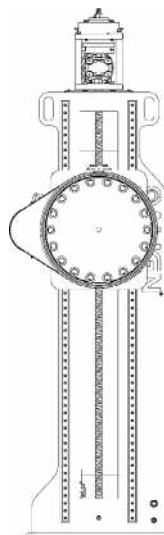


CONTROL OPTIONS

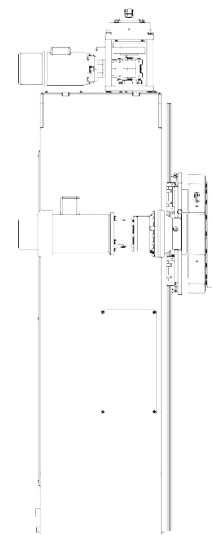
Control options include a push-button box, which moves the system as the button is pressed, or a computer-automated system programmed to move and position based on preset events. Customized timing and rotation positions are available.



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**



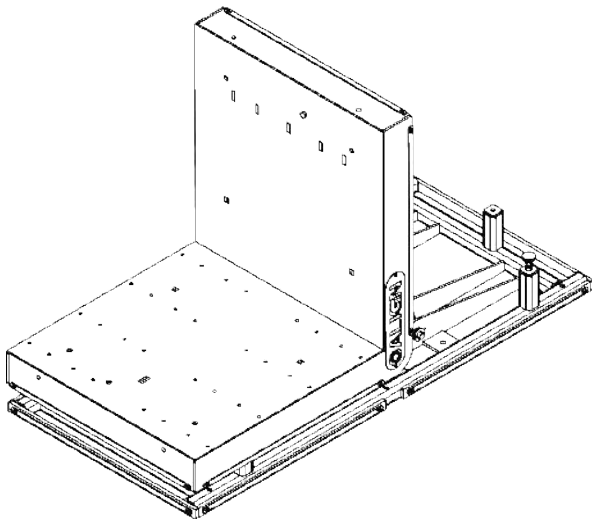
COUNTER-BALANCE VALVES & VELOCITY FUZES

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.

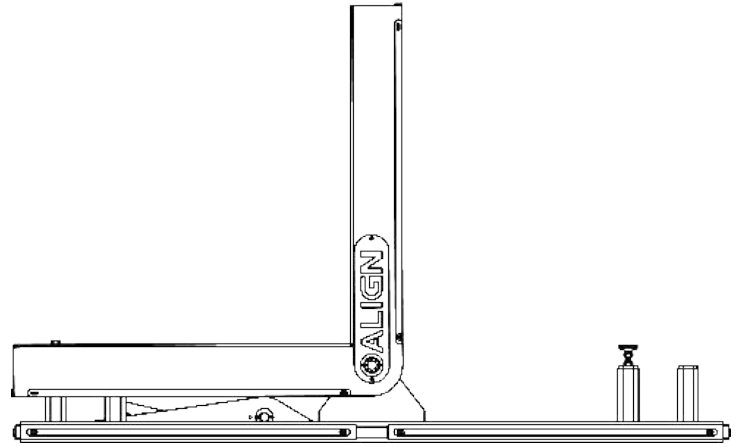


ADJUSTABLE LEVELING PADS

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



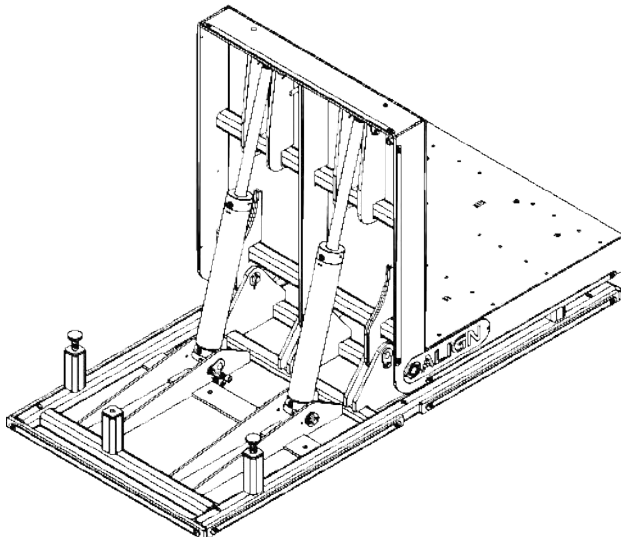
SIDE VIEW

HYDRAULIC UPENDER SPECIFICATIONS

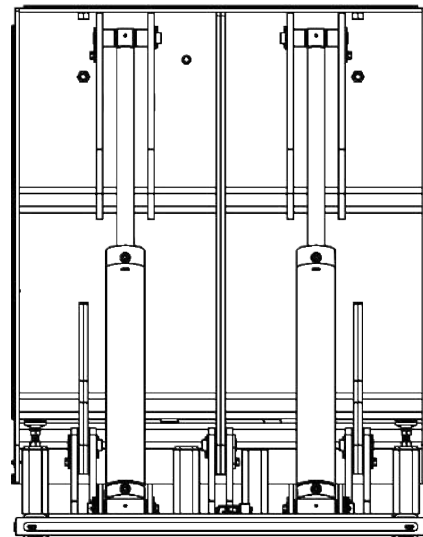
MODELS	CAPACITY		PLATFORM SIZE		TILT
	TOTAL	WIDTH	LENGTH	DOWN HEIGHT	DEGREES
APS05X					
APS050	3,000 lbs 1,361 kg	36 - 96 in 914 - 2,438 mm	36 - 96 in 914 - 2,438 mm	12 in 305 mm	90°
APS051	6,000 lbs 2,722 kg	48 - 120 in 1,219 - 3,048 mm	36 - 120 in 914 - 3,048 mm	14 in 356 mm	90°
APS052	9,000 lbs 4,082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



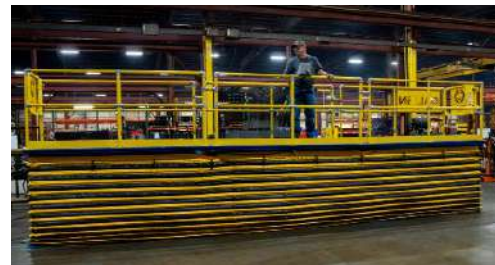
SCISSOR LIFTS

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	
ST01X	TOTAL	TYPE	TOTAL	MIN - MAX	WIDTH	LENGTH
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	
ST0XX	TOTAL	DEGREES	DOWN	W x L	WIDTH	LENGTH
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	
ST03X	TOTAL	DOWN	W x L	WIDTH	LENGTH
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 TURNABLE 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](#)

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TRANSPORTER

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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

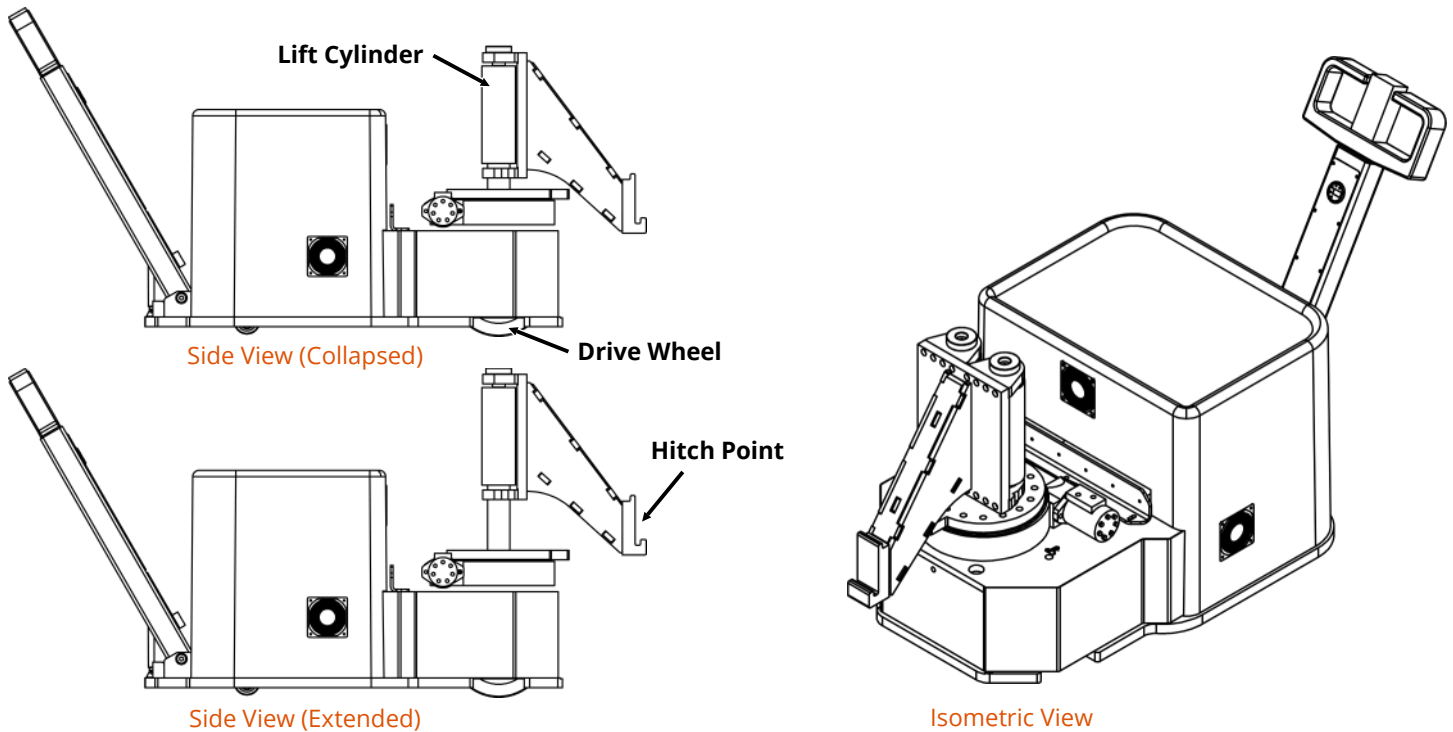
APS030-2200 features a hitch point capacity of 12,000 lbs, with a 105 minute battery life, 23,500 ft-lbs. of torque, and movement speeds of 100 fpm.



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

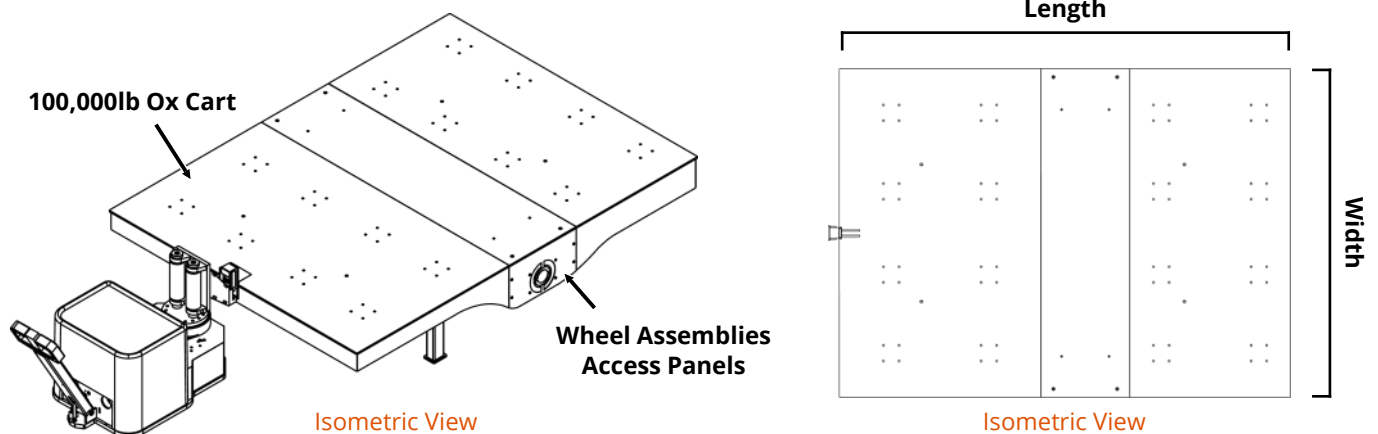
Model No.	Capacity	Drawbar Force	Hitch Point	Range	Speed
APS030	Total ¹	Total	Stroke	Distance ²	Max
APS030-1200	30,000lb 13,600kg	1,686lb 7500N	6" 150mm	6,500ft 2,000m	120fpm 37mpm
APS030-2200	100,000lb 45,360kg	7,193lb 32,000N	6" 150mm	9,600ft 2,900m	100fpm 30mpm

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
APS031	Total	Width	Length		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

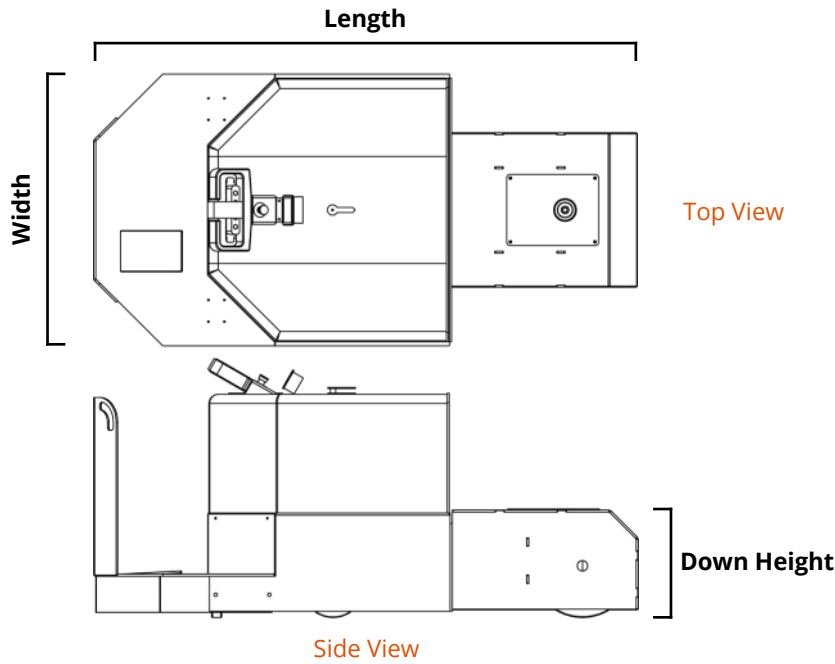
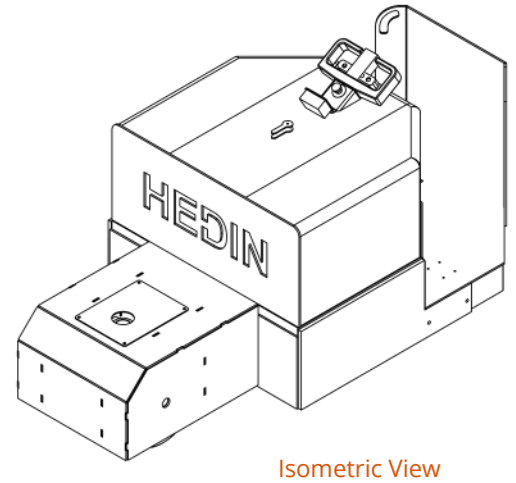
Optional RF Remote Control empowers operators to control Tugger either on the platform or from a more safe distance.

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		
	Total ¹	Total ¹			Max	Length	Width	Down Height
ROT				Distance ²				
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)



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.



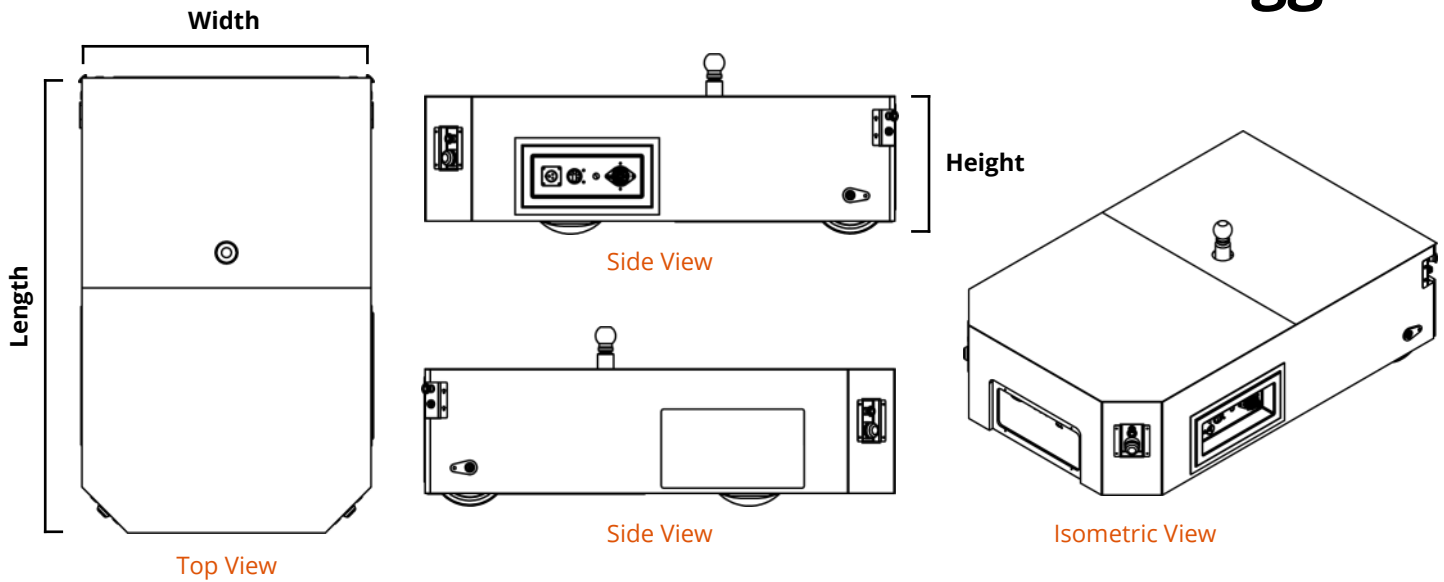
High Capacity

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		
GTT	Total ¹	Total ¹		Distance ²	Max	Length	Width	Height
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).

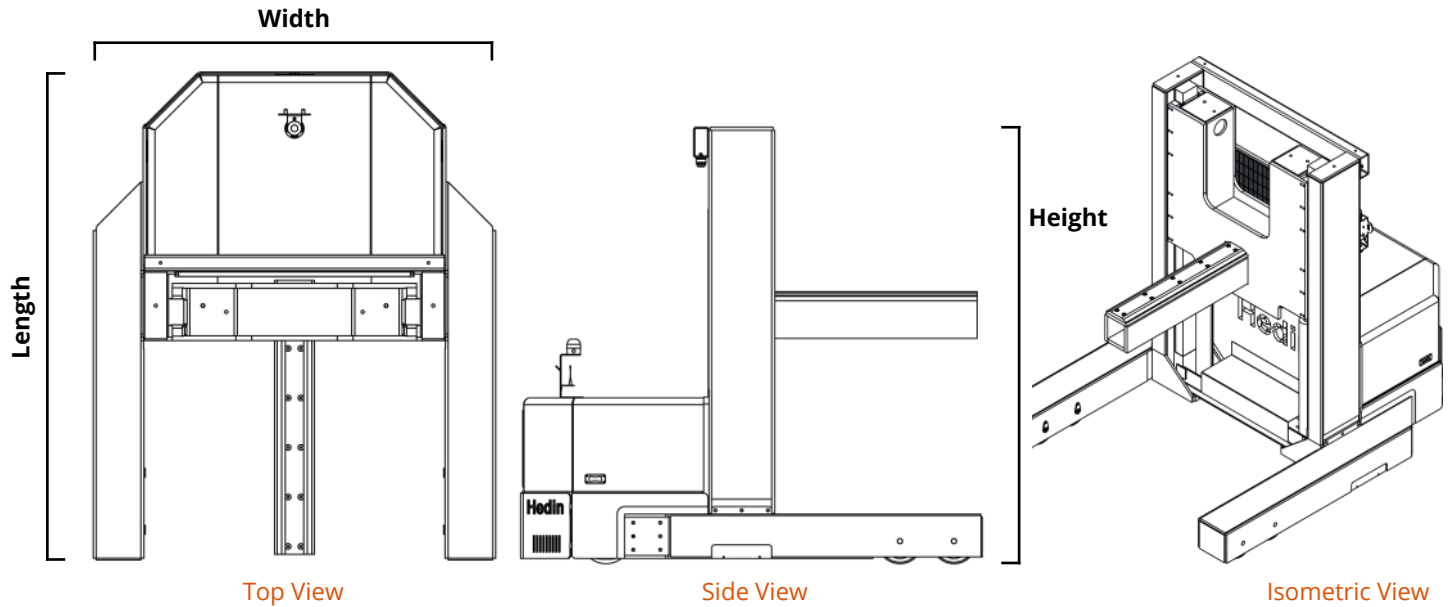


Adjustable Coil Height

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		
	Total ¹				Length	Width	Height
HED060			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.



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

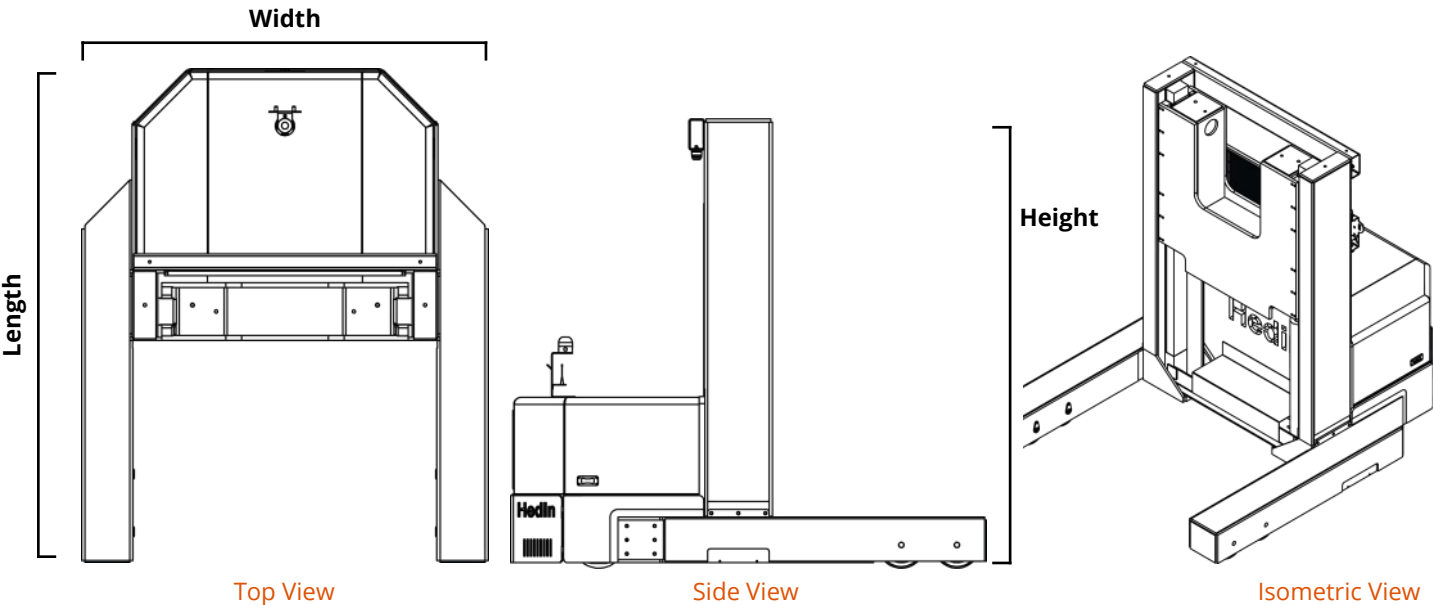
Coil Cars are available with a steering handle, RF remote controller, as a ride-along model or automated guided vehicle (AGV).

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		
	Total ¹				Length	Width	Height
HED050			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.

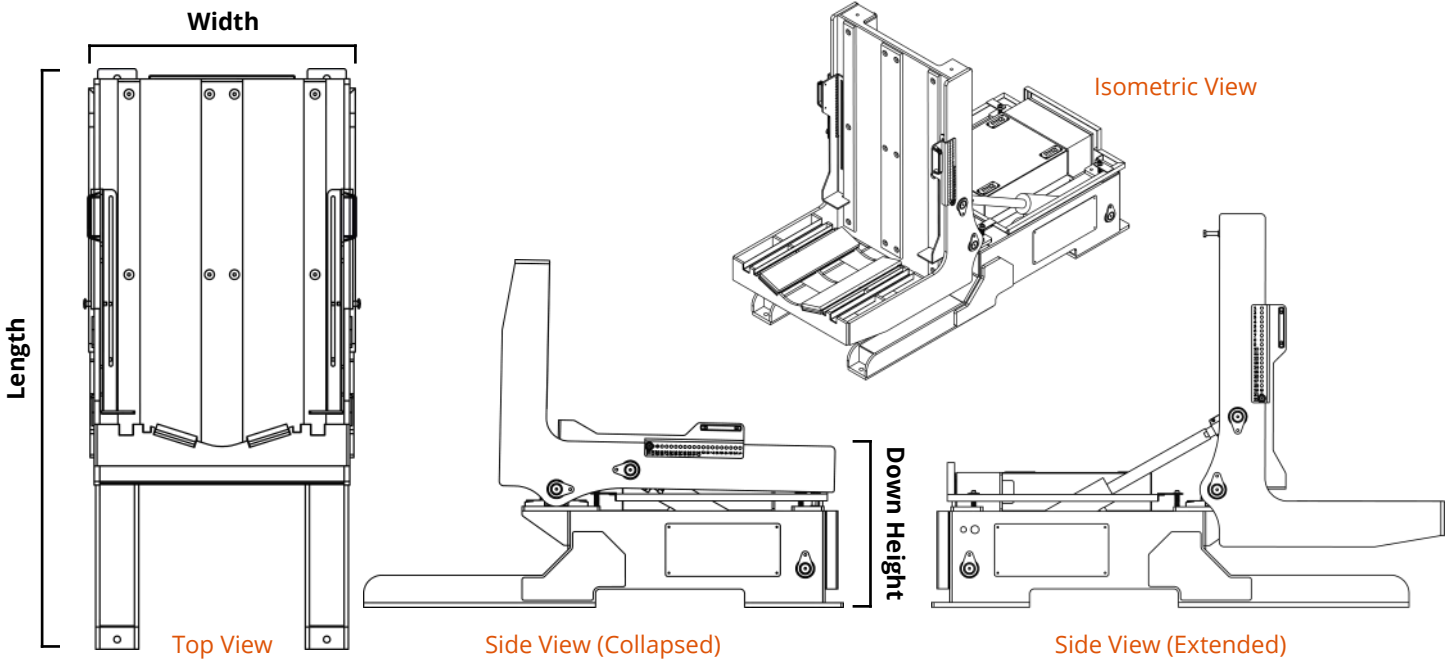
Accessibility

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
	Total ¹	Max Diameter	Max Depth	Length	Width	Down Height	
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).

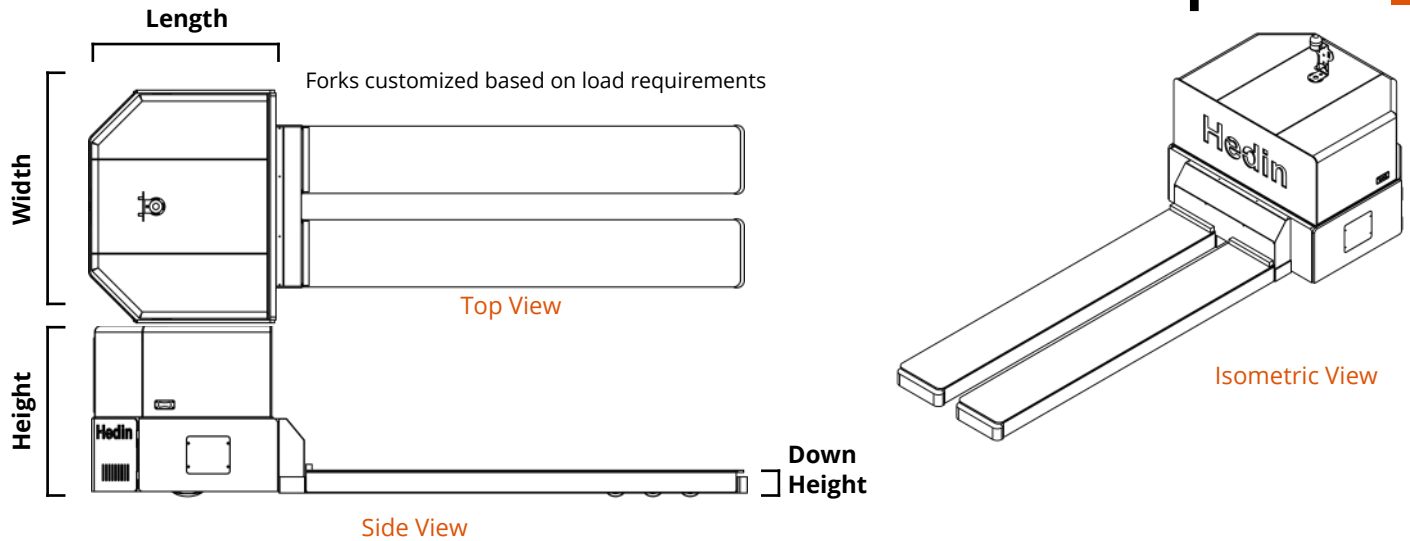


Optional Auxiliary Lift

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

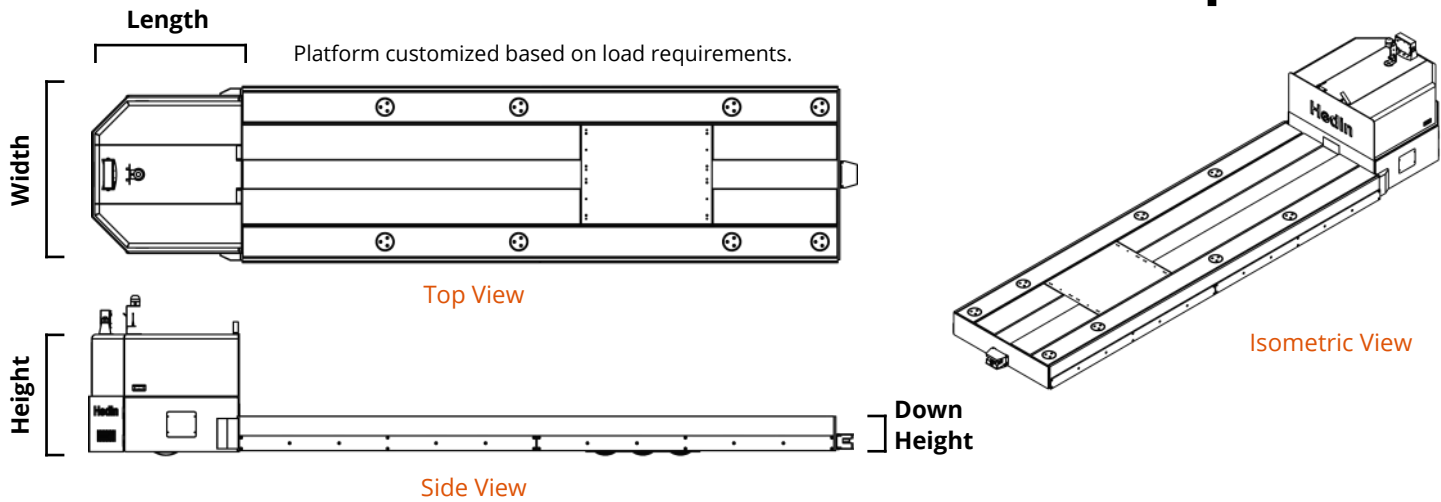
Platform Transporters are available with a steering handle, RF remote controller, as a ride-along model or automated guided vehicle (AGV).



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

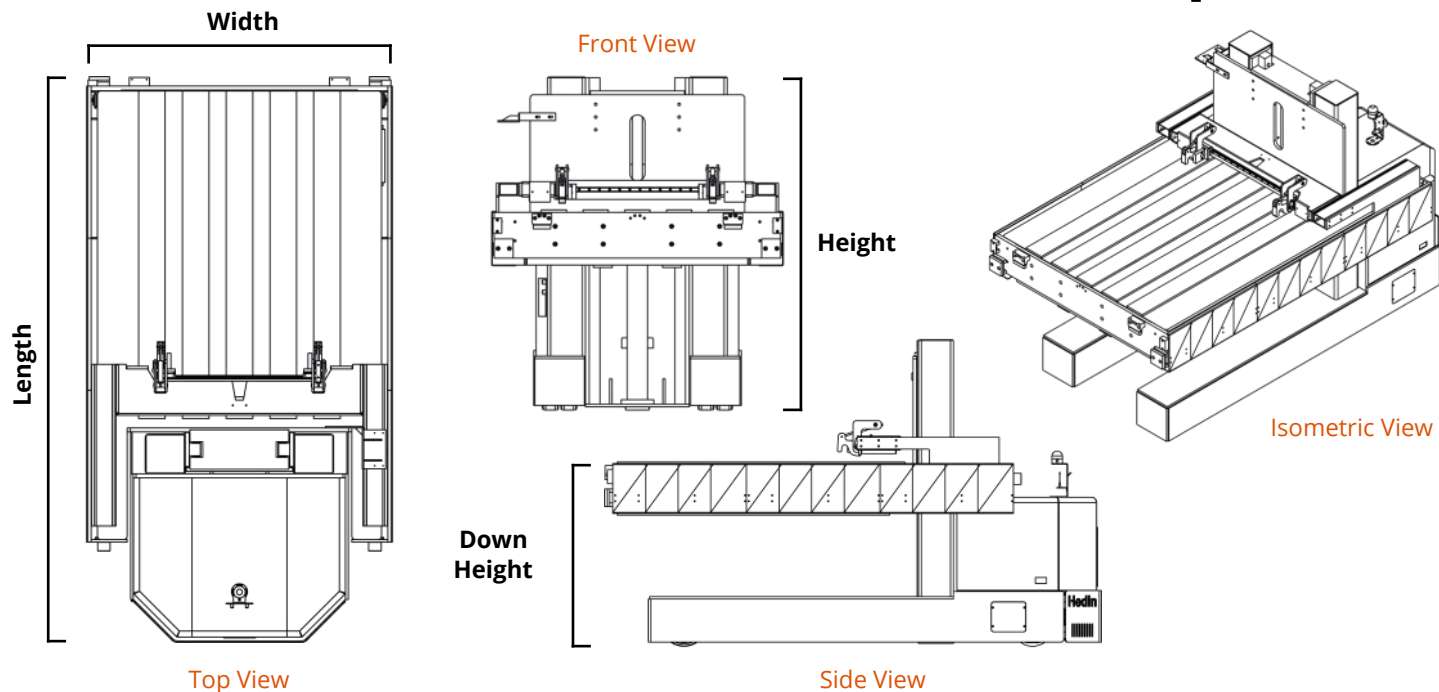
Quick-Change Mold and Die Transporters are available with a steering handle, RF remote controller, as a ride-along model or automated guided vehicle (AGV).



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	Down Height
	Total ¹	Distance ²	Max	Length	Width	Height	Stroke	
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

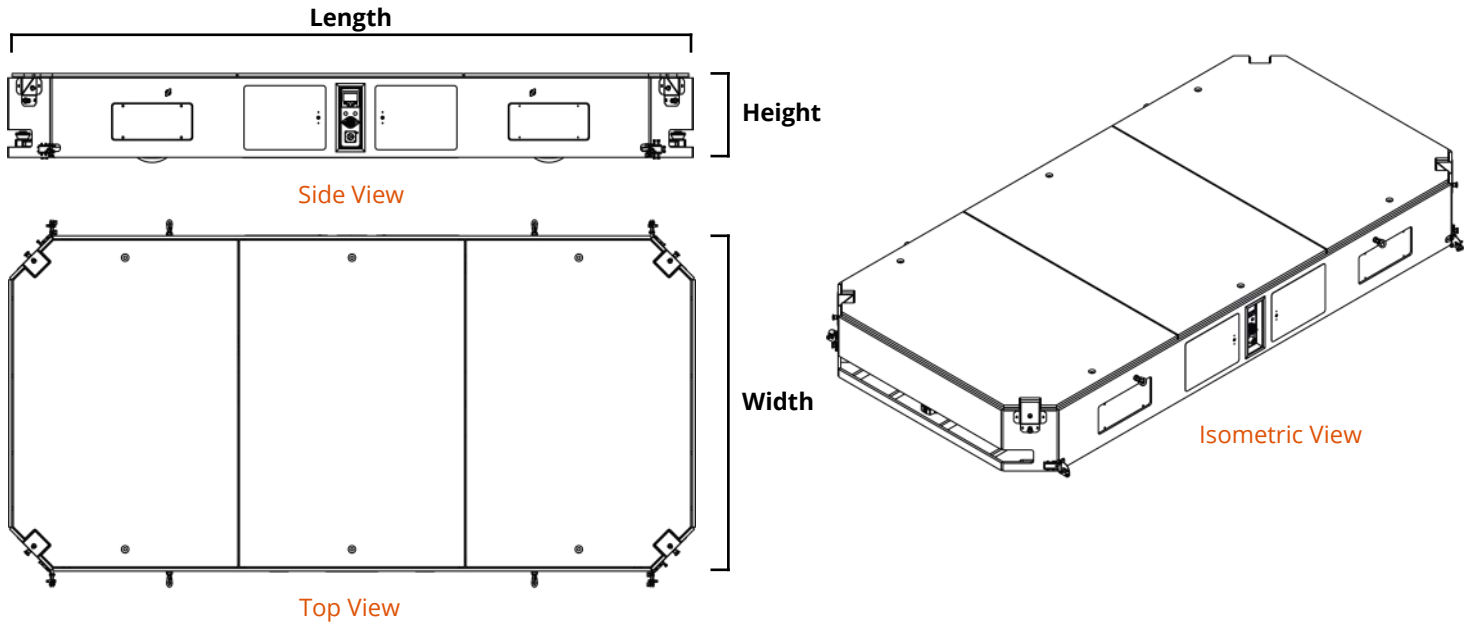
The Flatbed Transporter can be kitted with an optional auxiliary lift, granting operators the ability to lift and transport pallets - removing the need for overhead cranes.



Tandem Operation

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

Flatbed Transporter Single-Drive



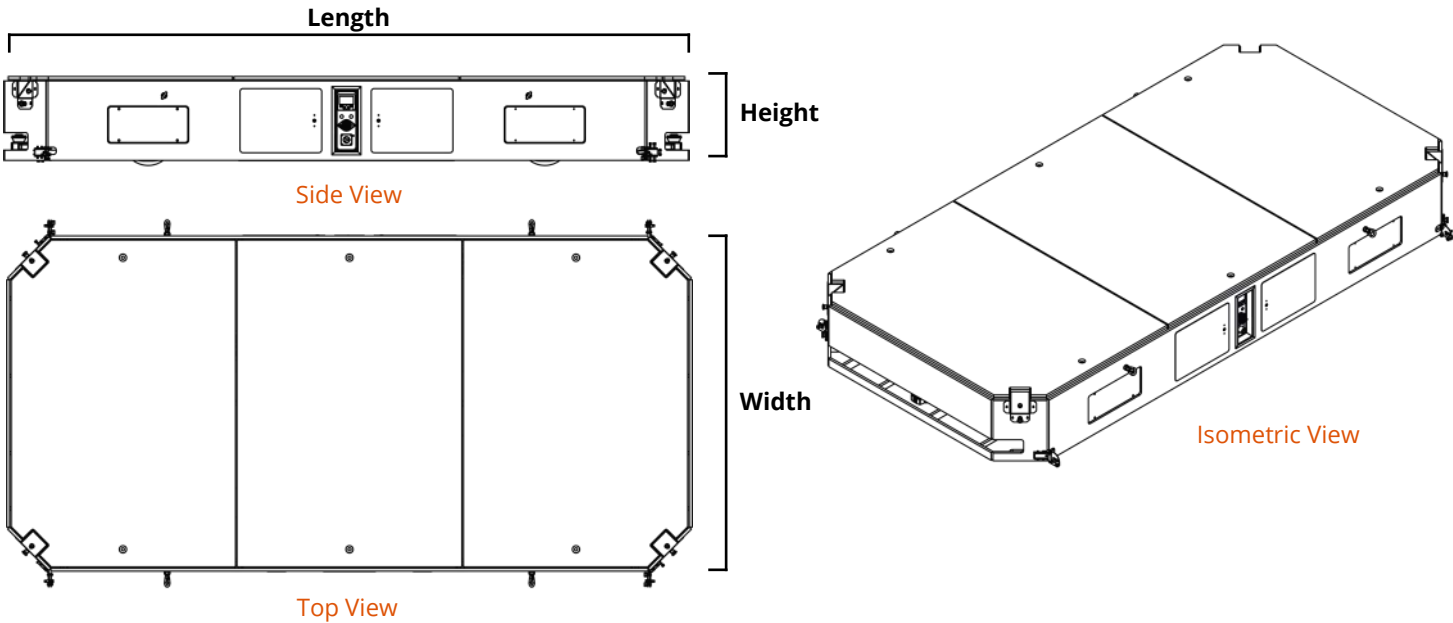
Flatbed Transporter Single-Drive Specifications

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



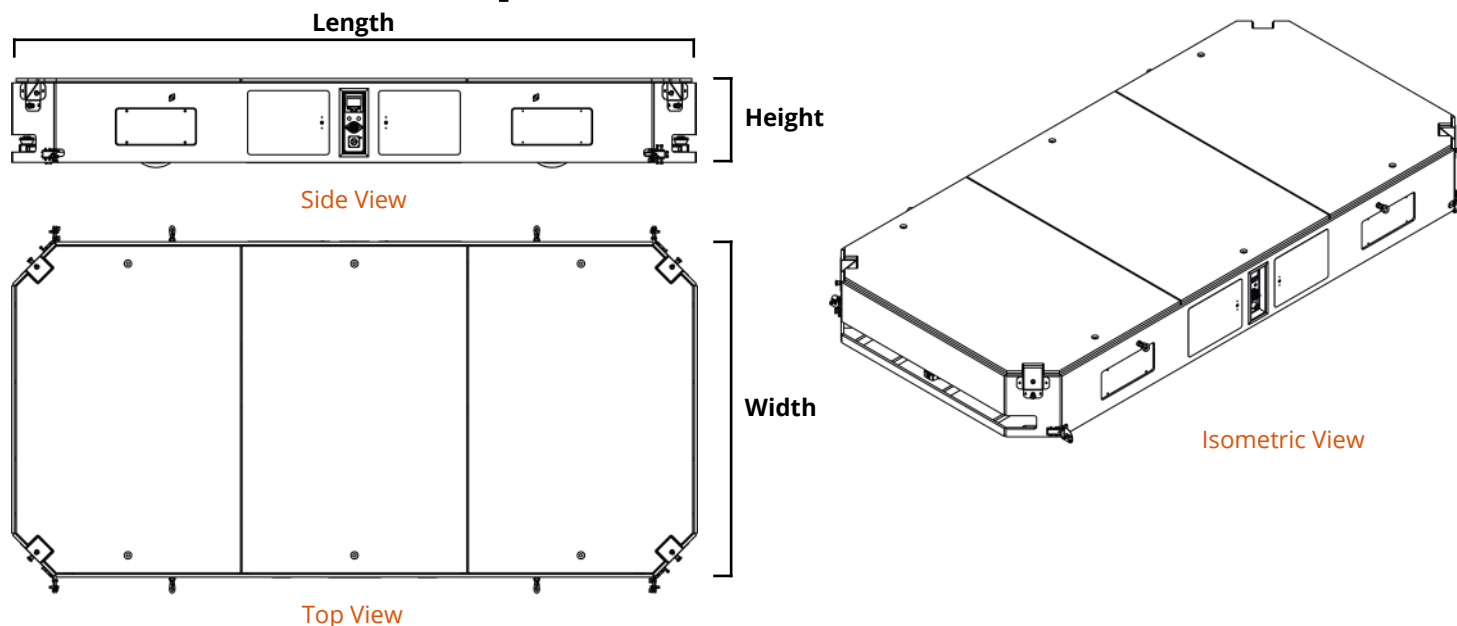
Flatbed Transporter Single-Drive with Lift Specifications

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



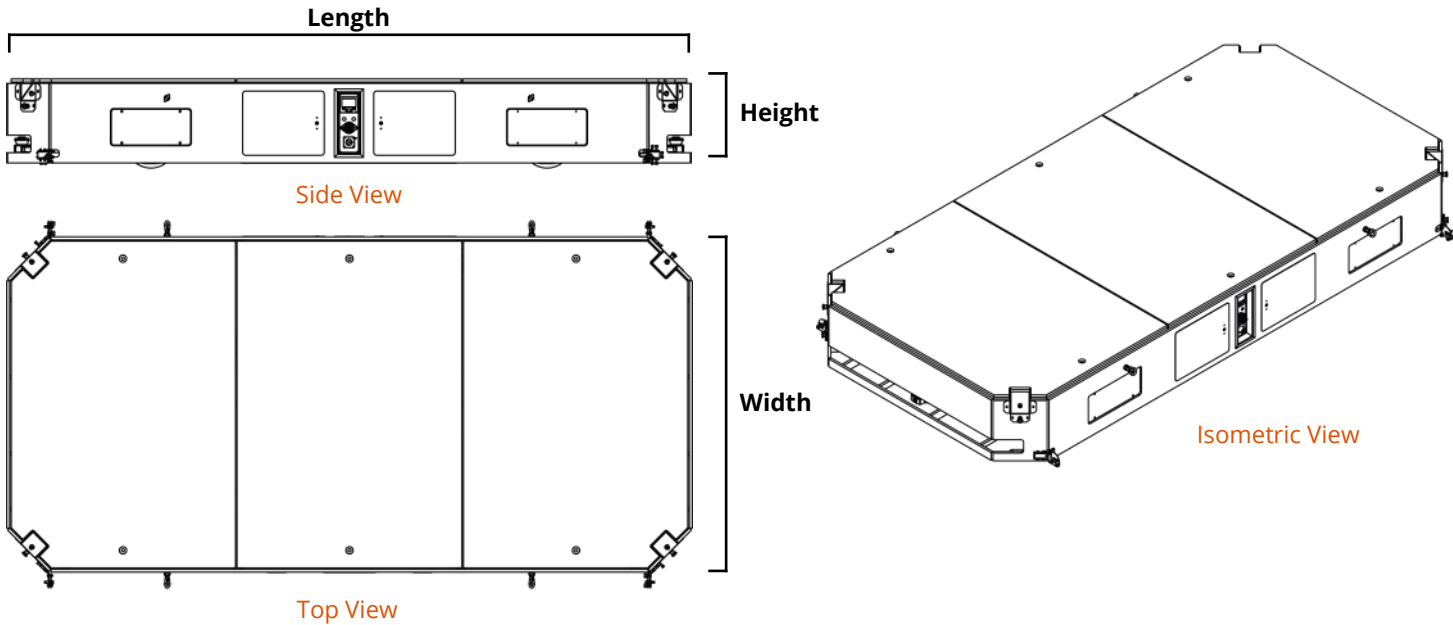
Flatbed Transporter Multi-Drive Specifications

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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