



NEW!

Miller SkyORB™

Overhead Rotational Boom Anchor

UTILIZES VEHICLE WEIGHT FOR ANCHORING • QUICK ASSEMBLY • MINIMIZES FREE-FALL • VERSATILE • EASY TO TRANSPORT

Frequently Asked Questions

Q1: What is the Miller SkyORB™ Overhead Rotational Boom Anchor?

A1: The SkyORB Overhead Rotational Boom Anchor System provides the user with a versatile mobile anchor point/fall arrest system in which they can connect safely and be protected while working at heights on their vehicles.

Q2: What are the unique, key performance features of the SkyORB System?

A2: The SkyORB System offers many unique key features:

- Provides the worker with an easy and quick connection with their fall arrest system while working at height.
- Designed to eliminate the need for heavy and bulky counter weights by utilizing vehicle weight to safely secure the system in place.
- The modular design is easy to transport and can be assembled using only a forklift.
- With a 20 ft. telescoping mast and a boom that rotates 360°, it can be easily positioned above the worker's head to minimize free-fall distance and avoid swing fall.
- Weighing only 1,050 lbs. (476 kg), it is exponentially lighter than competitive systems on the market, making the SkyORB Anchor more versatile.
- Patented energy absorbing technology reduces forces on the system.

Q3: What competitive advantages does the Miller SkyORB System present?

A3: The product is designed to eliminate the need for heavy and bulky counter weights and utilizes the truck's weight to secure the structure in place. Weighing only 1050lbs (476kg) it is exponentially lighter than competitive systems, which allows for easier handling and makes the SkyORB more versatile to provide protection where needed. The modularity of the system allows it to be broken down into smaller separate pieces and can be nicely packaged in a crate for longer shipping distances.

Q4: How heavy does the vehicle need to be to secure the SkyORB system?

A4: The SkyORB system requires a minimum of 10,000lbs (4436kg) on the plates. Where the wheel on the base plate is part of a tandem axle grouping, the tandem axle weight must be at least 10,000 lbs. Where it is only a single axle, the axle weight must be at least 10,000 lbs.

Q5: What is Tandem axle weight?

A5: Tandem-Axle Weight is the total weight on two or more consecutive axles whose centers are spaced more than 40" (1016mm) apart but not more than 96" (243mm) apart. The Federal tandem-axle weight limit on the Interstate System is 34,000lbs (15,422kg).

Q6: What types of vehicles does the Miller SkyORB accommodate?

A6: Any vehicle with a single or tandem axle weight greater than 10,000lbs (4535kg) can be used. This can be any vehicle that requires a person to work at heights to perform the work; loading and unloading trailers, maintenance of vehicles, cleaning of vehicles, etc.

Q7: Can I use anything other than a vehicle to anchor the system down?

A7: If you do not have a vehicle that meets the requirements or if you prefer to use counter weights (not included) you can use counter weight on the opposite side of the vehicle plates. The Counter weight must be at least 5000lbs (2268kg), evenly distributed over an area of 30"x40" (762mm x 1016mm) and must be stable and solidly attached to the base (by straps or otherwise). Please refer to the instruction manual for our recommendation.

Q8: What is the working radius of the SkyORB?

A8: The maximum working radius allowed is 14' (4.3m) away from the mast. The user must always be aware of swing fall and ensure that fall clearance is available. The allowable work area will be based on the fall clearance requirements of the attached SRL and the combination of the height, radius, and lateral distance along the edge of the vehicle. Fall clearance and swing fall concerns must be understood and mitigated to ensure worker safety.

Q9: What if I need access to a vehicle that is more than 14ft long?

A9: To ensure you have the proper coverage required, an additional system can be used together as long as the necessary tandem axle weight is available. (ex. SkyORB system positioned under the front tire and another SkyORB system is positioned under the back tire.) 100% tie off should be practiced at all times.

Q10: What is the fall clearance required?

A10: The SkyORB system is designed to be used for platforms ranging from 6' to 14' off the ground. It is important to be aware of obstacles in the way and to ensure swing fall is not an issue. Fall clearance calculation should always be performed for your specific application.

Q11: What is the maximum number of users rated for the SkyORB System?

A11: The system is rated for one user weighing 310 lbs including all equipment and tools.

Q12: Who can install Miller SkyORB System?

A12: Anyone can install the system but it is important that they read and understand the installation instructions. You will need proper wrench set and a forklift to assemble the system.

Q13: Can I move the SkyORB System after it has been assembled?

A13: Yes, the SkyORB system can be moved in the upright position on level terrain using a forklift as long as the base is level and close to the ground during transport. The system should be moved slowly and without sudden movements or stops. The boom must be aligned and secured properly to prevent the boom from swinging around during transportation. Please read and understand our instructions to ensure this is done properly.

Q14: How large does the forklift need to be?

A14: The forklift must have a minimum lift height of 15'-7" (4.75m)

Q15: How does the SkyORB ship?

A15: The SkyORB system is shipped in a custom crate that can be used for future shipments. The crate is 121" x 40" x 19" (3m x 1m x .5m) and has a total shipping weight of 1250lbs (567kg).

Q16: What if the SkyORB System arrests a fall?

A16: The system must be removed from service and inspected by a competent person before being put back in service. After every fall, the energy absorbing cable assembly must be replaced, and is available as a replacement part in the event of a fall.

Q17: What standards does SkyORB System meet?

A17: The SkyORB system meets all the requirement of OSHA 1926.502 Subpart M

Q18: Can I hang/suspend from the SkyORB system?

A18: The SkyORB system is fall protection anchor point only; it cannot be used for suspension or work positioning.

Q19: If I have questions on the Miller SkyORB System, who do I contact for information?

A19: Contact Honeywell Technical Service at 800-873-5242 or email hsptechsupport@honeywell.com.



by Honeywell



Ask the Expert ... Ask Miller.

800/873-5242

Fax 800/892-4078

www.millerfallprotection.com