DBI SALA®

The Ultimate in Fall Protection

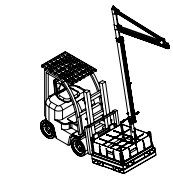
flexiguard®

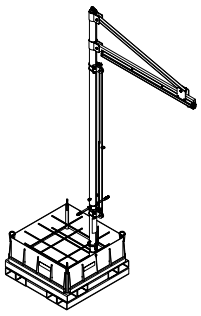
Jib Boom Fall Arrest System

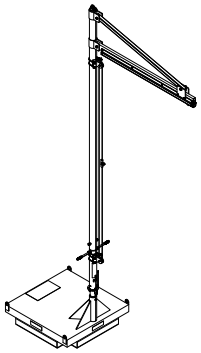
Model Numbers: *(Figure 1)*

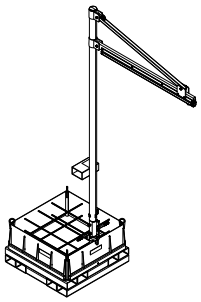
USER INSTRUCTION MANUAL

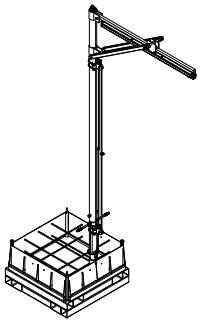
1











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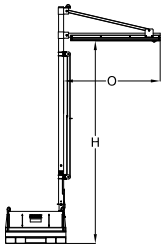 201" x 96" (511cm x 244cm)	√	√											
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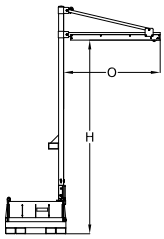
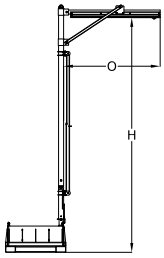
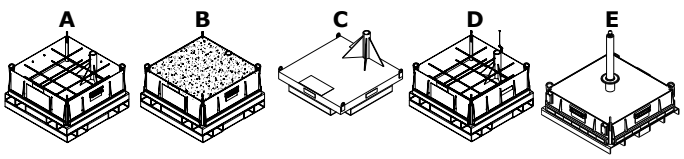
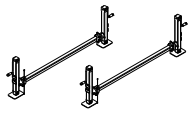
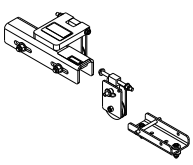
 192"-240" x 96" (488-610cm x 244cm)									√				
 246" X 96" (625cm x 244cm)							√						
	A	B	A	B	A	B	A	C	D	A	C	A	E
	**8543368 Optional**									Included	Optional	Optional	Optional
	**8543359 Optional**											Included	Optional

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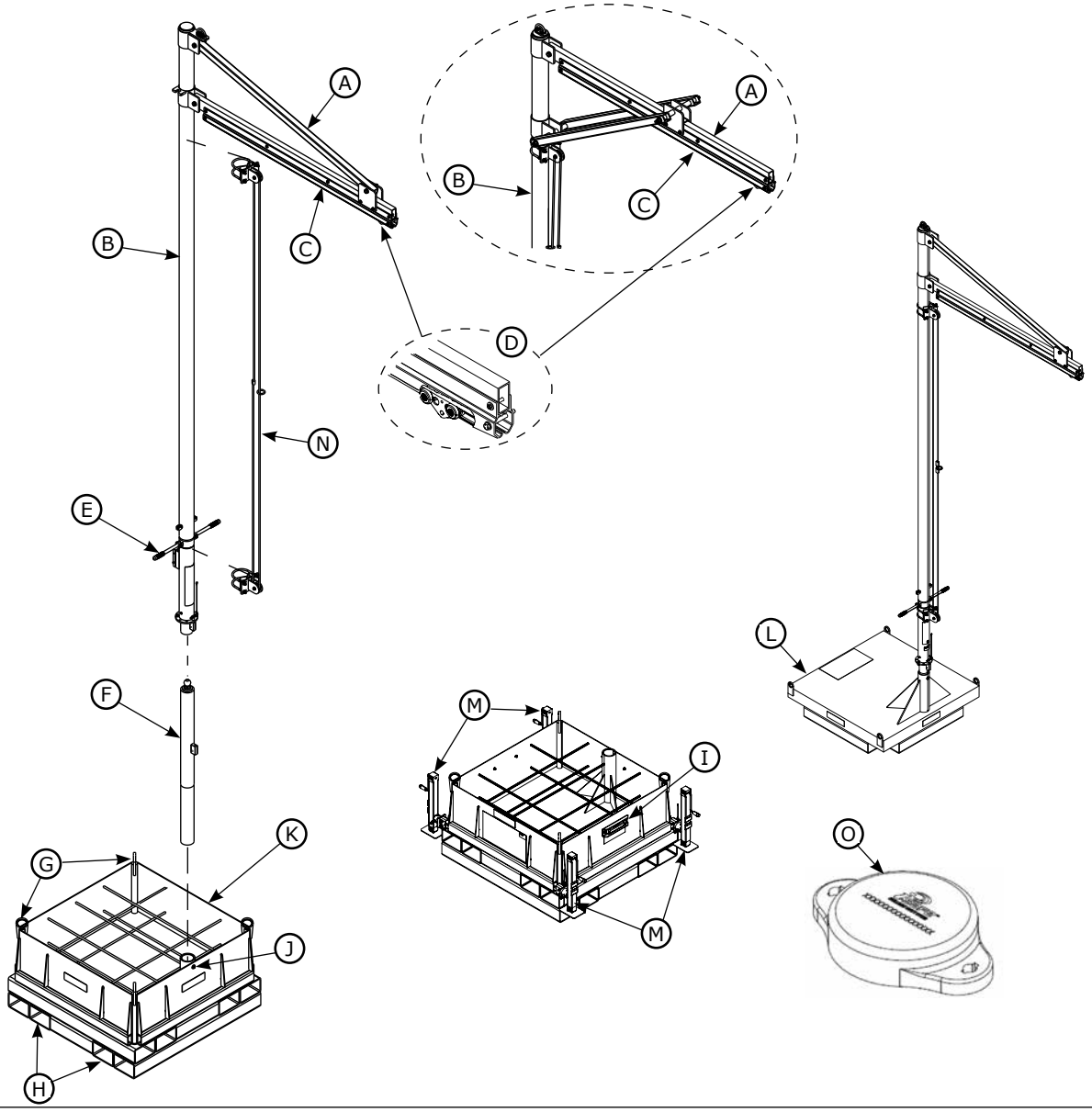

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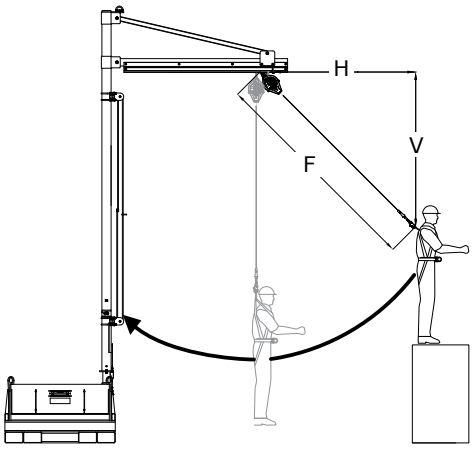

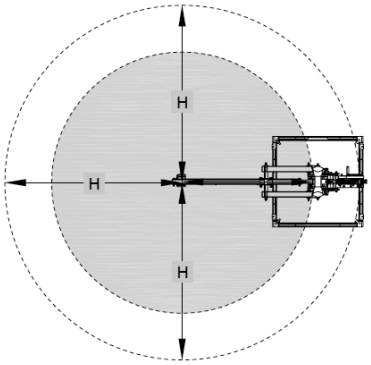

F ft (m)		← H - ft (m) →			
		0 (0.0)	2 (0.6)	4 (1.2)	6 (1.8)
← V - ft (m) →	0 (0.0)	0.0 0.0)	2.0 (0.6)	4.0 (1.2)	6.0 (1.8)
	2 (0.6)	2.0 (0.6)	2.8 (0.9)	4.5 (1.4)	6.3 (1.9)
	4 (1.2)	4.0 (1.2)	4.5 (1.4)	5.7 (1.7)	7.2 (2.2)
	6 (1.8)	6.0 (1.8)	6.3 (1.9)	7.2 (2.2)	8.5 (2.6)
	8 (2.4)	8.0 (2.4)	8.2 (2.5)	8.9 (2.7)	10.0 (3.0)
	10 (3.0)	10.0 (3.0)	10.2 (3.1)	10.8 (3.3)	11.7 (3.6)
	12 (3.7)	12.0 (3.7)	12.2 (3.7)	12.6 (3.9)	13.4 (4.1)
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	20 (6.1)	20.0 (6.1)	20.1 (6.1)	20.4 (6.2)	20.9 (6.4)
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F-V≤4.0 ft (1.2 m)

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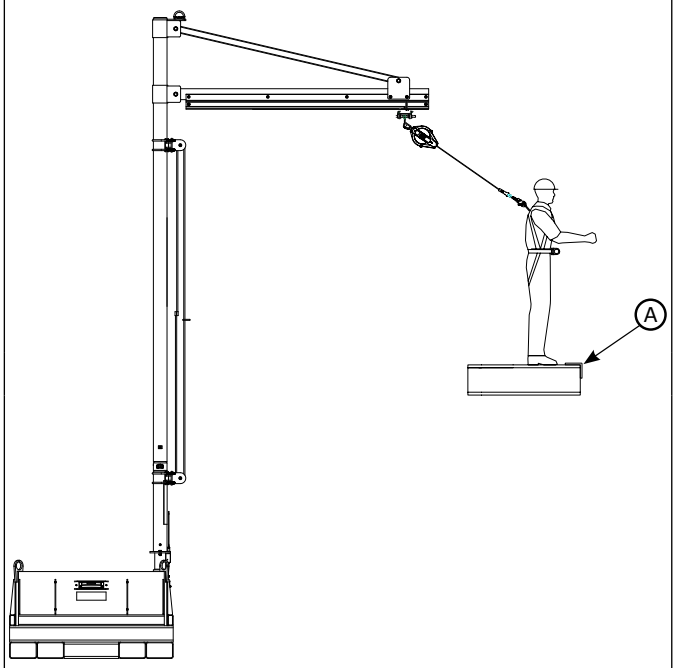

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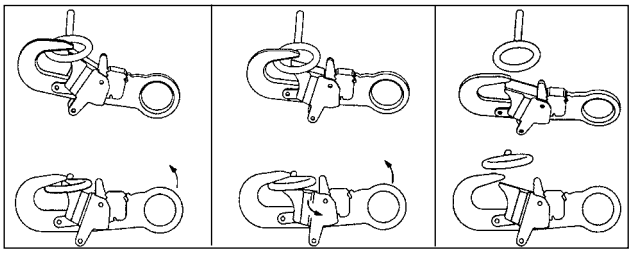

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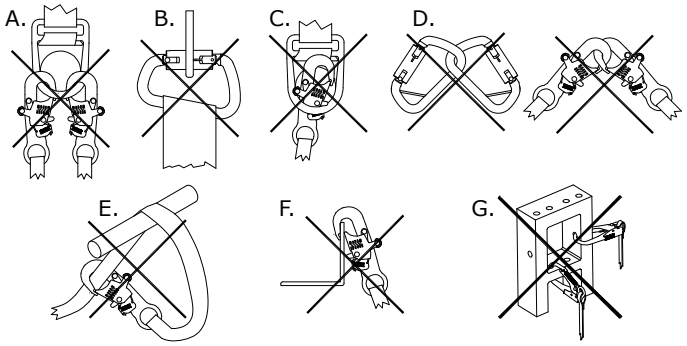

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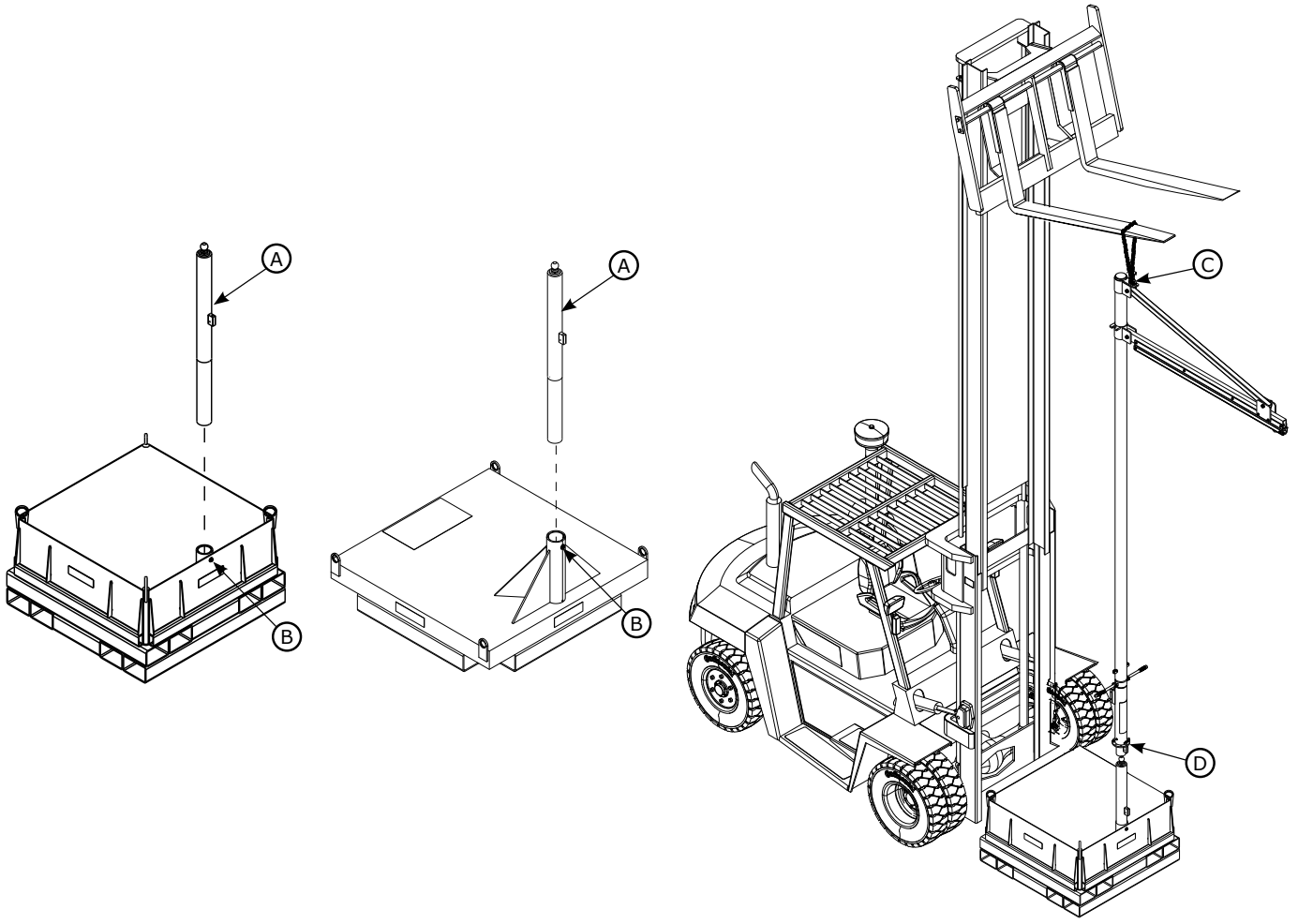

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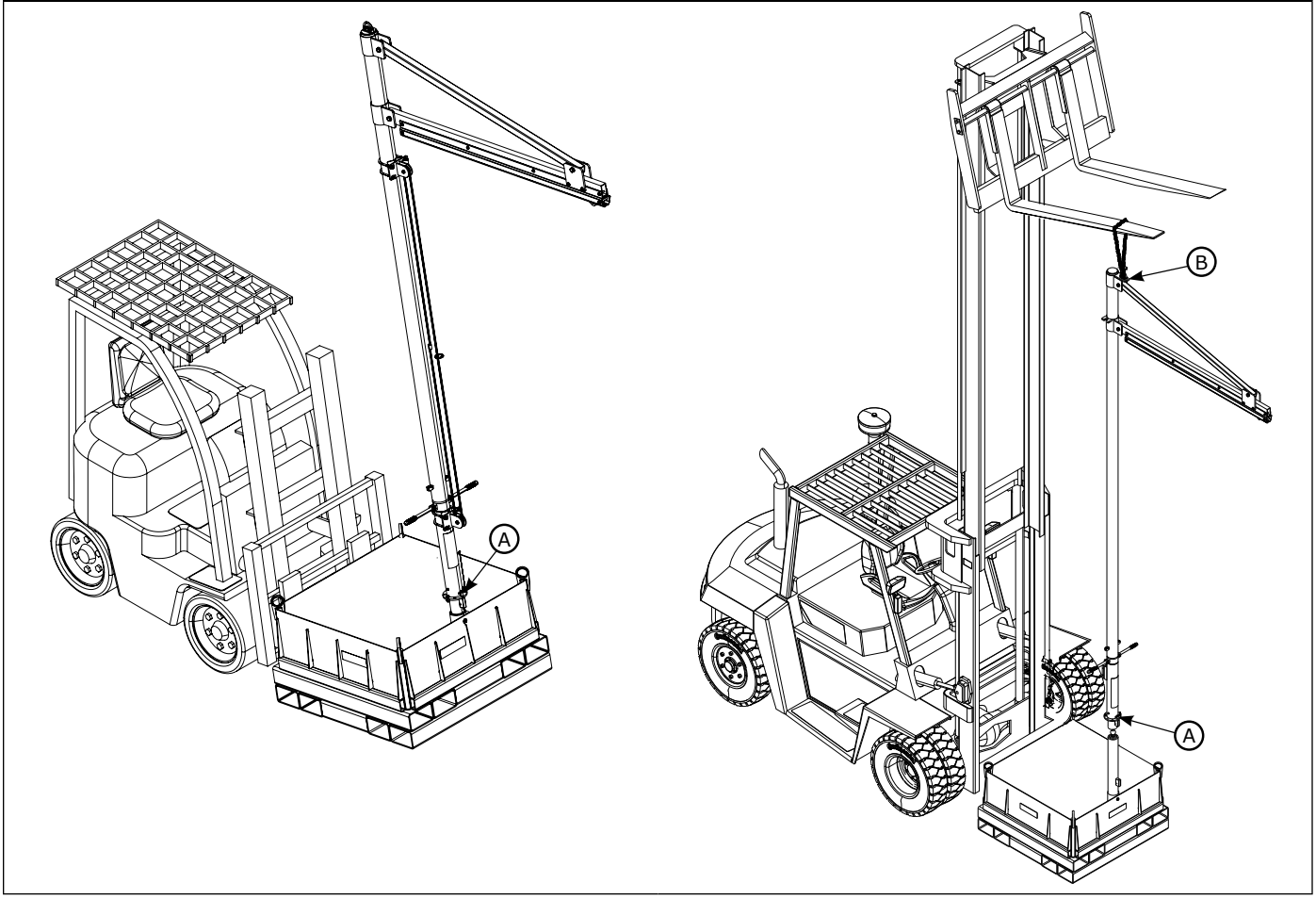

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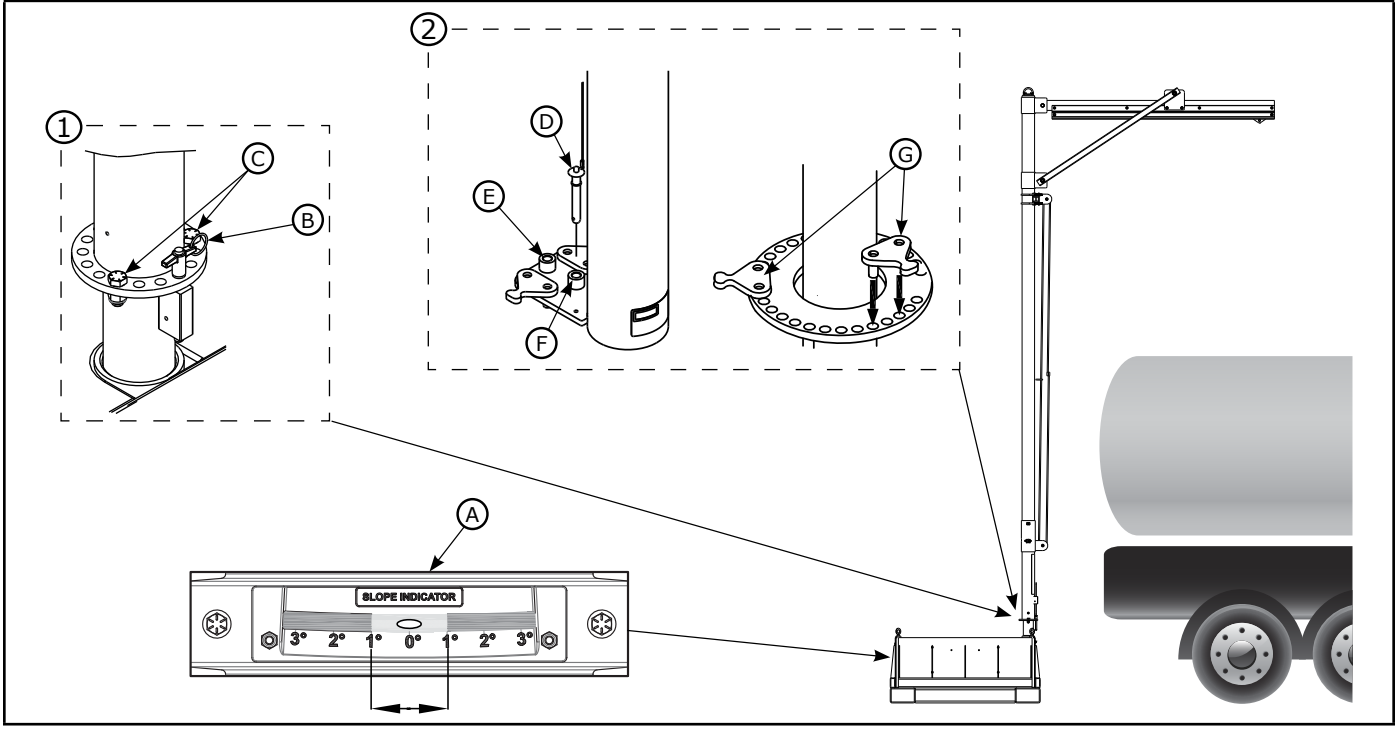

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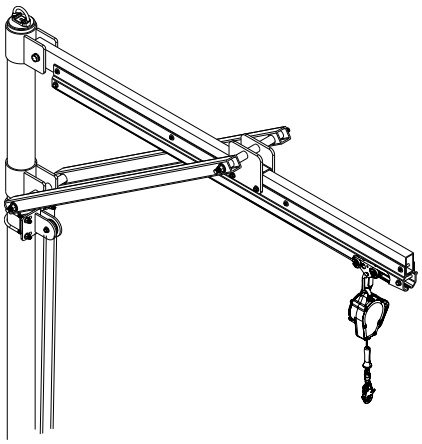

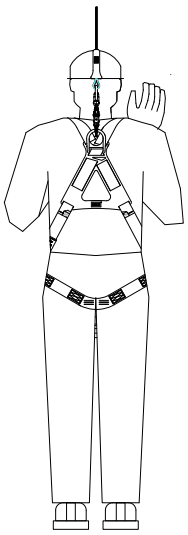

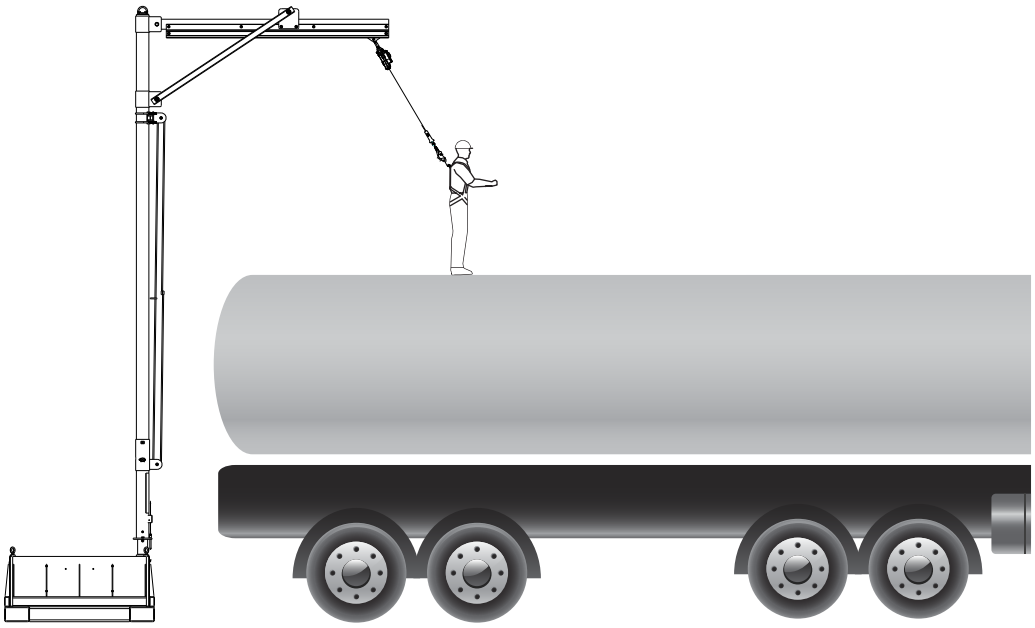

WARNING: *This product is part of a Personal Fall Arrest and Work Positioning system. The user must follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user of this equipment. The user must read and understand these instructions before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death.*

IMPORTANT: *If you have questions on the use, care, or suitability of this equipment for your application, contact Capital Safety. For general questions, refer to national Standards including the ANSI Z359 (.0, .1, .2, .3, and .4) family of standards on fall protection, ANSI A10.32, and applicable local, state, and federal (OSHA) requirements governing occupational safety for more information about fall protection systems.*

IMPORTANT: *Prior to installation and use of this equipment, record the product identification information from the ID label in the Inspection and Maintenance Log (Table 2) at the back of this manual.*

PRODUCT DESCRIPTION:

Figure 1 illustrates Flexiguard® Jib Boom Fall Arrest Systems. The Adjustable Jib Booms are fixed height boom mounted Glide Rail Fall Arrest Systems that rotate 360° on various Counterweight Base options (A - E). The Counterweight Bases are configured to allow transport of the system with a Crane, Hoist, or Forklift with a Lifting Strap/Chain. Jack Kits (F) and a Rescue Kit (G) are also available.

Figure 2 illustrates components of the Jib Boom Fall Arrest System. See Table 1 for Component Specifications. The Hitch Ball Post (F) is inserted into a sleeve in a Concrete Filled Counterweight Base (K) or Steel Counterweight Base (L). The Jib Rail Assembly extends from the Upright Assembly (B) and supports a Glide Rail (C) with a Four Wheel Trolley (D) that travels in the rail halves. The trolley is equipped with a 5/8" eye for connection of a Self-Retracting Lifeline or Energy Absorbing Lanyard. The Upright can be rotated 360° with the foldable Rotation Handle (E) and locked at 11° increments or allowed to rotate through a range defined by stop pins.The bottom of the Counterweight Base has Lifting Channels (H) and Lifting Eyes (G) for transport with a Forklift, Pallet Jack, Crane, etc. Slope Indicators (I) determine the system is level. Optional Leveling Jacks (M) can be installed on the Counterweight Bases. Some Jib Boom Fall Arrest System models include a Tagline Pulley System (O).

Table 1 – Specifications

Component Specifications:

Figure 2 Reference	Component	Materials	Rating	Assembly/Install Instruction
Ⓐ	Jib Rail Assembly	Aluminum		5903390
Ⓑ	Upright Assembly	Tube - Steel Lifting Connection Point - Steel	Connection Point - lifting only, not for Fall Protection: 1,200 lbs (544 kg) Vertical (↓) Load	5903390
Ⓒ	Glide Rail	Aluminum Rail Halves	1,800 lb (817 kg) Vertical (↓) Load	5903390
Ⓓ	Four Wheel Trolley	Wheels - Nylon Bearings - Steel 5/8" Eye - Stainless Steel	5,000 lb (2,268 kg) Vertical (↓) Load	
Ⓔ	Rotation Handle	Tube - Steel Hand Grip - Rubber		
Ⓕ	Hitch Ball Post	Tube - Steel Hitch Ball Pivot - Steel		
Ⓖ	Lifting Eyes	Steel	5,000 lb (2,268 kg) Vertical (↓) Load (1,250 lbs per eye)	
Ⓗ	Lifting Channels	Steel		
Ⓘ	Slope Indicator	Plastic Gauge on Aluminum C-Channel		
Ⓙ	Upright Assembly Locking Bolt	Steel		
Ⓚ	Concrete Filled Counterweight Base	Steel Shell, Concrete with Steel Rebar	Filled with 4,000 psi Concrete	
Ⓛ	Steel Counterweight Base	Steel		
Ⓜ	Jack Kit - 8530563 Quantity 2 Kits Required	Jack Kit - Steel Mounting Tubes - Steel Mounting Pin - Steel	7,000 lb (3,175 kg) Top Wind Jacks	5903386
Ⓝ	Tagline Pulley System	Rope - Nylon Kermantle Pulley - ???		
Ⓞ	i-Safe™ RFID Tag	Nylon, Glass	Radio Frequency - 13.56 MHz	

System Specifications:

Capacity:	1 Person per Glide Trolley with a combined weight (including clothing, tools, etc.) of no more than 310 lbs (141 kg) or 420 lbs (191 kg) with a 900 lb (408 kg) MAAF device.
Anchorage:	Structure supporting the Fall Arrest System must withstand a 10,300 lb (47 kN) vertical load.

1.0 PRODUCT APPLICATION

1.1 PURPOSE: Flexiguard® Anchorage Systems are designed to provide anchorage connection points for a Personal Fall Arrest System (PFAS).

> ***WARNING:*** *Unless otherwise noted, Capital Safety equipment is designed for use with Capital Safety approved components and subsystems only. Substitution or replacement with non-approved components or subsystems may jeopardize compatibility of equipment and may affect safety and reliability of the complete system. Do not hang, lift, or support tools or equipment from the Anchorage System, or attach guy lines for antennas, phone lines, etc.*

1.2 SUPERVISION: Installation of this equipment must be supervised by a Qualified Person[1]. Use of this equipment must be supervised by a Competent Person[4].

1.3 TRAINING: This equipment must be installed and used by persons trained in its correct application. This manual is to be used as part of an employee training program as required by OSHA. It is the responsibility of the users and installers of this equipment to ensure they are familiar with these instructions, trained in the correct care and use of this equipment, and are aware of the operating characteristics, application limitations, and consequences of improper use of this equipment.

> ***IMPORTANT:*** *Training must be conducted without exposing the user to a fall hazard. Training should be repeated periodically.*

1.4 RESCUE PLAN: When using this equipment and connecting subsystem(s), the employer must have a rescue plan and the means at hand to implement and communicate that plan to users, authorized persons[2], and rescuers[3]. A trained, on-site rescue team is recommended. Team members should be provided with the equipment and techniques to perform a successful rescue. Training should be provided on a periodic basis to ensure rescuer proficiency.

1.5 INSPECTION FREQUENCY: The Flexiguard Anchorage System shall be inspected by the user before each use and, additionally, by a competent person[4] other than the user at intervals of no more than one year[5]. Inspection procedures are described in the *"Inspection and Maintenance Log"* (Table 2). Results of each Competent Person inspection should be recorded on copies of the *"Inspection and Maintenance Log"*.

1.6 AFTER A FALL: If the Flexiguard Anchorage System is subjected to the forces of arresting a fall, it must be removed from the field of service immediately and replaced or inspected by an Authorized Capital Safety Representative.

2.0 SYSTEM CONSIDERATIONS

2.1 ANCHORAGE: Structure on which the Flexiguard Anchorage System is placed or mounted must meet the Anchorage specifications defined in Table 1.

> ***FROM OSHA:*** *Anchorages used for attachment of Personal Fall Arrest Systems shall be independent of any anchorage being used to support or suspend platforms, and capable of supporting at least 5,000 lbs (22 kN) per user attached, or be designed, installed, and used as part of a complete Personal Fall Arrest System which maintains a safety factor of a least 2, and is under the supervision of a qualified person.*

2.2 PERSONAL FALL ARREST SYSTEM: Figure 1 illustrates typical Fall Arrest applications of this Flexiguard Anchorage System. Personal Fall Arrest Systems (PFAS) used with the system must meet applicable OSHA, ANSI, state, and federal requirements. The PFAS shall incorporate a Full Body Harness and meet the following capabilities:

	Maximim Arresting Force	**Maximum Free Fall Distance**
PFAS with Shock Absorbing Lanyard	900 lb (4 kN)	6 ft (1.8 m)

	Arresting Force	**Maximum Free Fall Distance**
PFAS with Self Retracting Device	900 lb (4 kN) Maximum Arresting Force or 900 lb (4 kN) Average Arresting Force (as defined in ANSI Z359.14)	2 ft (0.61 m)

> ***IMPORTANT:*** *Under NO circumstances is a PFAS with a Free Fall distance greater than 6 ft (1.8 m) acceptable for use with the Flexiguard Anchorage System.*

2.3 FALL PATH AND SRL LOCKING SPEED: A clear path is required to assure positive locking of an SRL. Situations which do not allow for an unobstructed fall path should be avoided. Working in confined or cramped spaces may not allow the body to reach sufficient speed to cause the SRL to lock if a fall occurs. Working on slowly shifting material, such as sand or grain, may not allow enough speed buildup to cause the SRL to lock.

2.4 HAZARDS: Use of this equipment in areas with environmental hazards may require additional precautions to prevent injury to the user or damage to the equipment. Hazards may include, but are not limited to: heat, chemicals, corrosive environments, high voltage power lines, explosive or toxic gases, moving machinery, sharp edges, or overhead materials that may fall and contact the user or Personal Fall Arrest System.

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1 ***Qualified Person:*** *A person with a recognized degree of professional certificate and with extensive knowledge, training, and experience in the fall protection and rescue field who is capable of designing, analyzing, evaluating, and specifying fall protections and rescue systems to the extent required by OSHA and other applicable standards.*

2 ***Authorized Person:*** *For purposes of the Z359 standards, a person assigned by the employer to perform duties at a location where the person will be exposed to a fall hazard.*

3 ***Rescuer:*** *Person or persons other than the rescue subject acting to perform an assisted rescue by operation of a rescue system.*

4 ***Competent Person:*** *One who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.*

5 ***Inspection Frequency:*** *Extreme working conditions (harsh environments, prolonged use, etc.)may require increasing the frequency of competent person inspections.*

2.5 FALL CLEARANCE: There must be sufficient clearance below the user to arrest a fall before the user strikes the ground or other obstruction. Fall Clearance is dependent on the following factors:

- Deceleration Distance
- Worker Height
- Elevation of Anchorage Connector
- Free Fall Distance
- Movement of Harness Attachment Element
- Connecting Subsystem Length

See the Personal Fall Arrest System manufacturer's instructions for specifics regarding Fall Clearance calculation.

2.6 SWING FALLS: Swing Falls occur when the anchorage point is not directly above the point where the fall occurs (see Figure 3). The force of striking an object while swinging from the pendulum effects of a Swing Fall can cause serious injury. Swing Falls can be minimized by limiting the horizontal distance (H) between the user and the anchorage point. In a Swing Fall, the total vertical fall distance (F) will be greater than if the user had fallen directly below the anchorage point, thus increasing Fall Clearance required to safely arrest the user's fall. See the PFAS manufacturer's instructions for details regarding Swing Falls and Fall Clearance calculation.

2.7 SHARP EDGES: Avoid working where Lifeline or Lanyard components of the Personal Fall Arrest System (PFAS) can contact or abrade against unprotected sharp edges (see Figure 4). Where contact with a sharp edge is unavoidable, cover the edge with protective material (A).

2.8 COMPONENT COMPATIBILITY: Capital Safety equipment is designed for use with Capital Safety approved components and subsystems only. Substitutions or replacements made with non-approved components or subsystems may jeopardize compatibility of equipment and may effect the safety and reliability of the complete system.

> ***IMPORTANT:*** *Equipment substitutions require written consent from Capital Safety.*

2.9 CONNECTOR COMPATIBILITY: Connectors are considered to be compatible with connecting elements when they have been designed to work together in such a way that their sizes and shapes do not cause their gate mechanisms to inadvertently open regardless of how they become oriented. Contact Capital Safety if you have any questions about compatibility.

Connectors (hooks, carabiners, and D-rings) must be capable of supporting at least 5,000 lbs. (22.2 kN). Connectors must be compatible with the anchorage or other system components. Do not use equipment that is not compatible. Non-compatible connectors may unintentionally disengage (see Figure 5). Connectors must be compatible in size, shape, and strength. If the connecting element to which a snap hook or carabiner attaches is undersized or irregular in shape, a situation could occur where the connecting element applies a force to the gate of the snap hook or carabiner (A). This force may cause the gate to open (B), allowing the snap hook or carabiner to disengage from the connecting point (C).

Self-locking snap hooks and carabiners are required by ANSI Z359 and OSHA.

2.10 MAKING CONNECTIONS: Snap hooks and carabiners used with this equipment must be self-locking. Ensure all connections are compatible in size, shape and strength. Do not use equipment that is not compatible. Ensure all connectors are fully closed and locked.

Capital Safety connectors (snap hooks and carabiners) are designed to be used only as specified in each product's user's instructions. See Figure 6 for examples of inappropriate connections. Do not connect snap hooks and carabiners:

A. To a D-ring to which another connector is attached.

B. In a manner that would result in a load on the gate.

> ***NOTE:*** *Large throat snap hooks should not be connected to standard size D-rings or similar objects which will result in a load on the gate if the hook or D-ring twists or rotates, unless the snap hook complies is equipped with a 3,600 lb (16 kN) gate. Check the marking on your snap hook to verify that it is appropriate for your application.*

C. In a false engagement, where features that protrude from the snap hook or carabiner catch on the anchor, and without visual confirmation seems to be fully engaged to the anchor point.

D. To each other.

E. Directly to webbing or rope lanyard or tie-back (unless the manufacturer's instructions for both the lanyard and connector specifically allows such a connection).

F. To any object which is shaped or dimensioned such that the snap hook or carabiner will not close and lock, or that roll-out could occur.

G. In a manner that does not allow the connector to align properly while under load.

3.0 INSTALLATION

IMPORTANT: *The Flexiguard® Jib Boom Assembly must be installed by a Qualified Person and the installation must be certified by a Qualified Person as: meeting the criteria for a Certified Anchorage, or capable of supporting the potential forces that could be encountered during a fall.*

IMPORTANT: *Do not alter or intentionally misuse this equipment. Consult Capital Safety when installing or using this equipment in combination with components or subsystems other than those described in this manual. Some subsystems and component combinations may interfere with the operation of this equipment.*

3.1 PLANNING: Plan your fall protection system prior to installation of the Flexiguard Jib Boom Assembly. Account for all factors that may affect your safety before, during, and after a fall. Consider all requirements, limitations, and specifications defined in Section 2 and Table 1.

3.2 CONCRETE FILLED BASE: Your Jib Boom Assembly may use a concrete-filled Counterweight Base (see models in Table 1). If your delivered Base was not filled with cured concrete, fill it to the top of the outer edge of the base using 4000 lb psi concrete. Before filling, close the top of the davit sleeve in the base with a plug or tape to prevent wet concrete from entering the sleeve. Any concrete that remains in the davit sleeve will prevent complete insertion of the Hitch Ball Post and will also prevent safe operation of the Jib Boom Assembly. Allow sufficient time for the concrete to cure.

NOTE: *Plug the Counterweight Base davit sleeve prior to filling the base with concrete to avoid spillage into the sleeve. Any concrete remaining in the sleeve will prevent safe installation and operation of the Jib Boom Assembly.*

3.3 INSTALLING THE JIB BOOM ON THE BASE: Refer to Figure 2 for identification of Jib Boom system components:

1. **INSTALL STATIONARY BASE:** Counterweight Bases (L. M) are supplied pre-assembled. See Step 3.2 regarding Concrete Filled Bases.
2. **ASSEMBLE THE UPRIGHT ASSEMBLY:** Assemble the Jib Boom as instructed in the Assembly Instruction (see Table 1).
3. **INSTALL HITCH BALL POST:** See Figure 7. Insert the Hitch Ball Post (A) in the sleeve in the Counterweight Base. Tighten the Upright Assembly Locking Bolt (B) securely to prevent the Hitch Ball Post from rotating.
4. **POSITION THE UPRIGHT ASSEMBLY OVER THE BASE:** Lift the assembled Upright Assembly by the Hoist Ring (C) with a Forklift or Crane. Position the Upright Assembly so the Mounting Socket in the bottom of the Upright Assembly is directly over the Hitch Ball Post.
5. **LOWER THE UPRIGHT ASSEMBLY ONTO THE BASE:** Lower the Upright Assembly onto the Base until the Hitch Ball fully seats in the Upright Assembly mounting socket.
6. **ROTATE AND LOCK THE UPRIGHT ASSEMBLY:** Rotate the Upright Assembly to the desired position and then insert the Rotation Lock Pin (D) to prevent the Upright Assembly from rotating during transport or use.

3.4 INSTALL LEVELING JACKS: If included with your Jib Boom Assembly (see Table 1), install Leveling Jacks on the Counterweight Base as instructed in the included Installation Instruction 5903386.

3.5 INSTALL JIB RESCUE AND RETRIEVAL KIT: If included with your Jib Boom Assembly (see Table 1), install the Jib Rescue and Retrieval Kit as instructed in the included Capital Safety instruction 5903369.

3.6 TRANSPORTING THE SYSTEM: Figure 8 illustrates transport of the Jib Boom Assembly. Prepare and transport the system as follows:

1. **ROTATE THE UPRIGHT ASSEMBLY:** Remove the Rotation Lock Pin (A), rotate the Upright Assembly for best clearance during transport, and then reinsert the Rotation Lock Pin to prevent the Upright Assembly from rotating during transport.
2. **TRANSPORT THE SYSTEM:** Transport the Jib Boom system with Counterweight Base to the desired work location with a Forklift or Pallet Jack and the Lifting Channels. Or, use a Crane or similar equipment and the Lifting Eyes on the Counterweight Base. Transport the Upright Assembly from one base to another base with a Crane, Hoist or Forklift with a Lifting Strap/Chain and the Hoist Ring (B) on the top end of the Upright Assembly.

CAUTION: *Never transport the system without the Jib Boom fully lowered and the Rotation Lock Pin inserted.*

WARNING: *Do not transport at speeds exceeding 5 mph (8 kph). Never transport the system on slopes greater than 10°. Excessive speeds or slopes may cause system and tow vehicle tip-overs resulting in serious injury or death.*

WARNING: *When transporting the Jib Boom, be aware of overhead obstructions and electrical hazards which may result in serious injury or death.*

---

1 Qualified Person: *A person with a recognized degree of professional certificate and with extensive knowledge, training, and experience in the fall protection and rescue field who is capable of designing, analyzing, evaluating, and specifying fall protections and rescue systems to the extent required by OSHA and other applicable standards*

3.7 POSITIONING THE SYSTEM: Figure 9 illustrates positioning and preparation of the Jib Boom Asembly for work. Position and prepare the system as follows:

1. POSITION THE JIB BOOM: Place the Jib Boom Assembly near the work area on a surface with 1° or less of slope.

SLOPE INDICATORS: *The Counterweight Base is equipped with three Slope Indicators (A) for verification of a level surface. Leveling Jacks may be installed in the Leveling Jack Mounts on the Counterweight Base for purposes of leveling the Jib Boom on a surface that is not level. Extend the Leveling Jacks until they contact the ground. Crank the Leveling Jacks up or down as needed until all Slope Indicators indicate less than 1° of slope.*

CAUTION: *Personnel shall not be attached to the Glide Rail while the system is being raised into position.*

2. ROTATE THE JIB BOOM: Rotate the Upright Assembly to the desired work position with the Rotation Handle.

All models except 8530571: See ① in Figure 9. Remove the Rotation Lock Pin (B). The circular plate on the Rotation Lock Pin Mechanism has pin holes at 11° increments. Reinsert the Rotation Lock Pin through the desired pin hole to prevent the Upright Assembly from rotating out of position. Two Stop Bolts (C) can be used to limit the rotation of the Upright Assembly.

Model 8530571: See ② in Figure 9.

No Rotation Allowed: Rotate the Jib Boom to the desired position and then insert the Rotation Lock Pin (D) through the inside Pin Hole (F) and aligned hole in the Rotation Plate to prevent the Jib Boom from rotating.

Limit Rotation Range: Insert the Rotation Lock Pin (D) through the outside Pin Hole (E) and then install Rotation Limiters (G) on each side of the Lock Pin. Insert the Rotation Limiter mounting pegs through the desired holes in the Rotation Plate to define the rotation range.

CAUTION: *The Jib Boom may be used without the Rotation Lock Pin inserted, allowing 360° rotation; but can cause increased swing fall in multiple directions in the event of a fall.*

4.0 USE

WARNING: *Consult your doctor if there is any reason to doubt your fitness to safely absorb the shock from a fall arrest or suspension. Age and fitness seriously affect a worker's ability to withstand falls. Pregnant women or minors must not use DBI-SALA equipment unless in an emergency situation.*

WARNING: *Never exceed the Capacity maximums specifi ed in Table 1. Exceeding the stated capacity could collapse or tip the system, resulting in serious injury or death.*

4.1 BEFORE EACH USE: Verify that your work area and Personal Fall Arrest System (PFAS) meet all criteria defined in Section 2 and a formal Rescue Plan is in place. Inspect the Jib Boom per the 'User' inspection points defined on the "Inspection and Maintenance Log" (Table 2). If inspection reveals an unsafe or defective condition, do not use the Jib Boom. Remove the system from service and contact Capital Safety regarding replacement or repair.

SAFE WORK AREA: *Figure 3 illustrates the Safe Work Area for the Adjustable Jib Boom. The gray shading on the table designates safe working distances where the difference between the Vertical Fall Distance (F) and the Vertical Distance from the Anchorage Connection Point (V) is less than or equal to 4 ft. (1.2 m). NEVER work at a Horizontal Distance (H) and Vertical Distance (V) that results in a calculated Vertical Fall Distance (F) exceeding the gray shaded values on the table in Figure 3.*

4.2 FALL ARREST CONNECTIONS: Figure 10 illustrates application of the Jib Boom and its Fall Arrest Connections. The Jib Boom must always be used with a Full Body Harness and Fall Arrest subsystem. The Glide Rail System is equipped with a Four-Wheel Trolley that travels back-and-forth inside the Rail Halves. An SRL or Energy Absorbing Lanyard can be connected the Four-Wheel Trolley. Connect the other end of the SRL or Energy Absorbing Lanyard to the back Dorsal D-Ring on the Harness.

WARNING: *When transferring between SRL's, always maintain 100% tie-off to ensure fall arrest protection in the event of a fall.*

IMPORTANT: *No more than one person, meeting the Capacity requirements specified in Table 1, shall be attached to the Glide Four-Wheel Trolley.*

WARNING: *Inappropriate or incompatible connections between components of the Personal Fall Arrest System (PFAS) may result in serious injury or death. See Section 2 for details regarding connector compatibility and safe connections.*

4.3 JIB RESCUE AND RETRIEVAL KIT: If this kit is included with your Jib Boom Assembly (see Table 1), refer to Capital Safety instruction 5903369 for application and use.

5.0 INSPECTION

5.1 **INSPECTION FREQUENCY:** The Flexiguard System must be inspected at the intervals defined in Section 1. Inspection procedures are described in the *"Inspection and Maintenance Log" (Table 2)*. Inspect all other components of the Fall Protection System per the frequencies and procedures defined in the manufacturer's instructions.

5.2 **DEFECTS:** If inspection reveals an unsafe or defective condition, remove the Flexiguard Anchorage System from service immediately and contact Capital Safety regarding replacement or repair. Do not attempt to repair the Flexiguard Anchorage System.

> ***IMPORTANT:*** *Only Capital Safety or parties authorized in writing by Capital Safety may make repairs to this equipment.*

5.3 **PRODUCT LIFE:** The functional life of the System is determined by work conditions and maintenance. As long as the product passes inspection criteria, it may remain in service.

6.0 MAINTENANCE, SERVICING, STORAGE

6.1 **CLEANING:** Periodically clean The Sytem with a soft brush, warm water, and a mild soap solution. Ensure parts are thoroughly rinsed with clean water.

> ***IMPORTANT:*** *Although highly resistant to chemicals and environmental conditions, avoid contaminating the Flexiguard Anchorage System with acids, bitumen, cement, paint, cleaning fluids, etc. If the equipment contacts acids or other caustic chemicals, remove from service and wash with water and a mild soap solution. Inspect per Table 2 before returning to service.*

6.2 **SERVICE:** Only Capital Safety or parties authorized in writing by Capital Safety may make repairs to this equipment. If the anchor has been subject to fall force or inspection reveals an unsafe or defective conditions, remove the anchor from service and contact Capital Safety regarding replacement or repair.

6.3 **STORAGE:** When not in use, store the System and associated fall protection equipment in a cool, dry, clean environment out of direct sunlight. Avoid areas where chemical vapors may exist. Thoroughly inspect components after extended storage.

LABELS

The following labels must be present on the Flexiguard Jib Boom Assembly. Labels must be replaced if they are not fully legible. Contact Capital Safety for replacement labels.

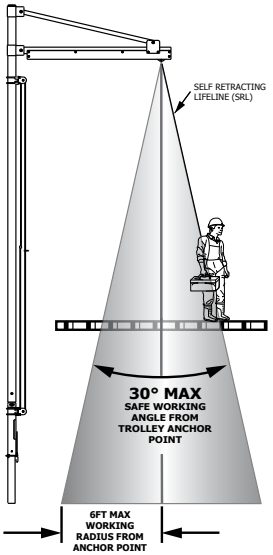
FlexiGuard™
CUSTOM FALL PROTECTION SOLUTIONS

PORTABLE ROTATING JIB DAVIT SYSTEM
OPERATORS INSTRUCTIONS

⚠WARNING

- ALL USERS MUST READ AND UNDERSTAND THE INSTRUCTIONS PRIOR TO USING THIS SYSTEM.
- RETRACTABLE DEVICES AND SHOCK ABSORBERS USED WITH THIS PRODUCT MUST HAVE AN AVERAGE ARRESTING FORCE OF NOT GREATER THAN 900 LB (4 KN) AND MEET ANSI Z359.14 TYPE B OR Z359.13 RESPECTIVELY.
- DO NOT EXCEED THE MAXIMUM NUMBER OF USERS RATING.
- NO MORE THAN ONE PERSON IS ALLOWED TO BE ATTACHED TO A GLIDE RAIL TROLLEY OR ANCHOR POINT AT ANY GIVEN TIME.
- DO NOT EXCEED THE SAFE WORKING RADIUS OF 6' OR WORKING ANGLE OF 30°(WHICHEVER COMES FIRST) AS SHOWN IN FIGURE 1. FAILURE TO WORK WITHIN THE SAFE WORKING AREA MAY CAUSE SERIOUS INJURY OR DEATH.
- BE CAUTIOUS OF OVERHEAD POWER LINES OR OTHER ELECTRIC SOURCES WHICH CAN CAUSE ELECTRIC SHOCK.
- IF YOU HAVE ANY QUESTIONS OR CONCERNS ON THE USEAGE, CARE, OR SUITABILITY OF THIS EQUIPMENT, PLEASE CONTACT CAPITAL SAFETY BEFORE USING IT.
- SUPPORTING STRUCTURES FOR THIS SYSTEM MUST BE CERTIFIED AND CAPABLE OF SUPPORTING THE ENTIRE WEIGHT OF THE CONFIGURED SYSTEM ALONG WITH ANY LOADS THAT COULD POTENTIALLY BE INTRODUCED IN THE EVENT OF ARRESTING A FALL.

FIGURE 1



THIS MAN-RATED SYSTEM IS DESIGNED FOR A MAXIMUM OF

APPLY USER# LABEL HERE

PERSON(S)

USER CAPACITY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. FAILURE TO COMPLY MAY RESULT IN SERIOUS INJURY OR DEATH.

THIS SYSTEM MEETS OR EXCEEDS ALL APPLICABLE OSHA STANDARDS.

DBI SALA™

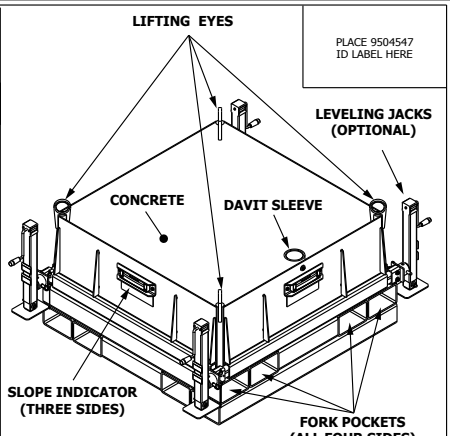
9510827 REV B

flexiguard™

PORTABLE COUNTERWEIGHTED JIB BASE SYSTEM
OPERATORS INSTRUCTIONS

⚠WARNING

- **DO NOT USE THIS SYSTEM UNLESS IT HAS BEEN FILLED WITH 4000 PSI CONCRETE.**
- **DO NOT FILL THE DAVIT SLEEVE WITH CONCRETE. PLUG HOLE WHILE FILLING BOX.**
- ALL USERS MUST READ AND UNDERSTAND THE INSTRUCTIONS PRIOR TO USING THIS SYSTEM.
- DO NOT TRANSPORT AT SPEEDS GREATER THAN 5 MPH / 8 KPH.
- PLEASE SEE DAVIT WARNING LABEL TO DETERMINE SAFE NUMBER OF USERS.
- NO MORE THAN ONE PERSON IS ALLOWED TO BE ATTACHED TO A GLIDE RAIL TROLLEY OR ANCHOR POINT AT ANY GIVEN TIME.
- BE CAUTIOUS OF OVERHEAD POWER LINES OR OTHER ELECTRIC SOURCES WHICH CAN CAUSE ELECTRIC SHOCK.
- DO NOT USE THIS SYSTEM UNLESS THE SLOPE INDICATORS ARE INDICATING 2° OR LESS OF SLOPE. THE LEVELING JACKS (IF SUPPLIED) SHOULD BE USED TO LEVEL THE SYSTEM WITHIN THE 2° REQUIREMENT.
- ENSURE EQUIPMENT USED TO TRANSPORT THIS SYSTEM HAS SUFFICENT CAPACITY.
- IF YOU HAVE ANY QUESTIONS OR CONCERNS ON THE USEAGE, CARE, OR SUITABILITY OF THIS EQUIPMENT, PLEASE CONTACT CAPITAL SAFETY BEFORE USING IT.
- SUPPORTING STRUCTURES MUST BE CERTIFIED AND CAPABLE OF SUPPORTING THE ENTIRE WEIGHT OF THE CONFIGURED SYSTEM ALONG WITH ANY LOADS THAT COULD POTENTIALLY BE INTRODUCED IN THE EVENT OF A FALL.
- WHEN TRANSPORTING THIS SYSTEM USING THE LIFTING EYES, ALWAYS LIFT FROM ALL FOUR POINTS EVENLY. DO NOT STAND BELOW THE SYSTEM WHILE IT IS BEING LIFTED OR TRANSPORTED.



DBI SALA™

9510829 REV C

WARNING

APPROXIMATE WEIGHT
8,500 LBS / 3,856 kg

9512279 Rev. B

DBI SALA®

9504547 Rev F

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Capital Safety
Red Wing, MN, USA
+1-800-328-6146

SERIAL NO. XXXXX

MFRD(Y/M): LOT NO.: MODEL NO.: LENGTH (FT):

Table 2 – Inspection and Maintenance Log

Inspection Date:	**Inspected By:**

Components:	**Inspection:** (See Section 1 for *Inspection Frequency*)	**User**	**Competent Person**
Rail Support Assemblies (Diagram 1)	Check the Rail Support (A) for structural defects or damage including bends, corrosion, etc.	☐	☐
	Inspect fasteners on Rail Supports to ensure they are tight.	☐	☐
	Visually inspect the Gussets (B) for straightness. Ensure there is no visible deformation or bend, indicating previous exposure to fall arrest forces.	☐	☐
Glide Rail Assembly (Diagram 2)	Visually inspect fasteners (A) on the Glide Rail to ensure they are tight.	☐	☐
	Inspect the Rail Track (B) for structural defects. Rail Track must be straight without any bends or dents.	☐	☐
	Visually inspect the Glide Four-Wheel Trolleys (C) for damage to the trolley and excessive wheel wear. Ensure the Trolleys roll freely in Glide Rail and the wheels are securely attached.	☐	☐
Upright Assembly	Inspect the Upright Assembly for defects or structural damage including bends, corrosion, etc.	☐	☐
	Inspect fasteners on Upright Assemblies to ensure they are tight.	☐	☐
	Periodically apply grease to the Grease Zerk (located at the bottom of the Upright Assembly) to lubricate the internal Hitch Ball Pivot.		☐
Anchorage Connection Points	Make sure anchorage connection is free of corrosion, cracks, or other imperfections that may cause malfunction during operation.	☐	☐
Labels	Verify that all labels are securely attached and are legible (see *'Labels'*)	☐	☐
PFAS and Other Equipment	Additional Personal Fall Arrest System (PFAS) equipment, winches, etc. that are used with the Flexiguard Portable Counterweighted Jib Boom Assembly should be installed and inspected per the manufacturer's instructions.	☐	☐

Serial Number(s):	**Date Purchased:**
Model Number:	**Date of First Use:**

Corrective Action/Maintenance:	Approved By:
	Date:
Corrective Action/Maintenance:	Approved By:
	Date:
Corrective Action/Maintenance:	Approved By:
	Date:
Corrective Action/Maintenance:	Approved By:
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Corrective Action/Maintenance:	Approved By:
	Date:

Diagram 1

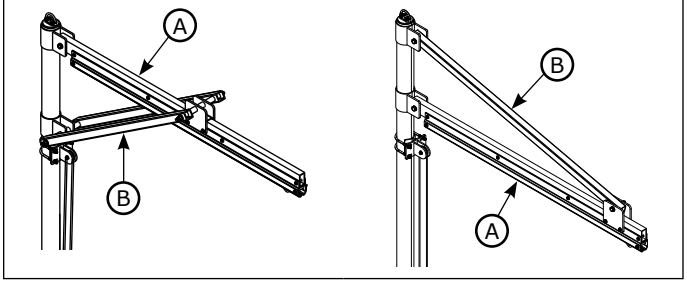
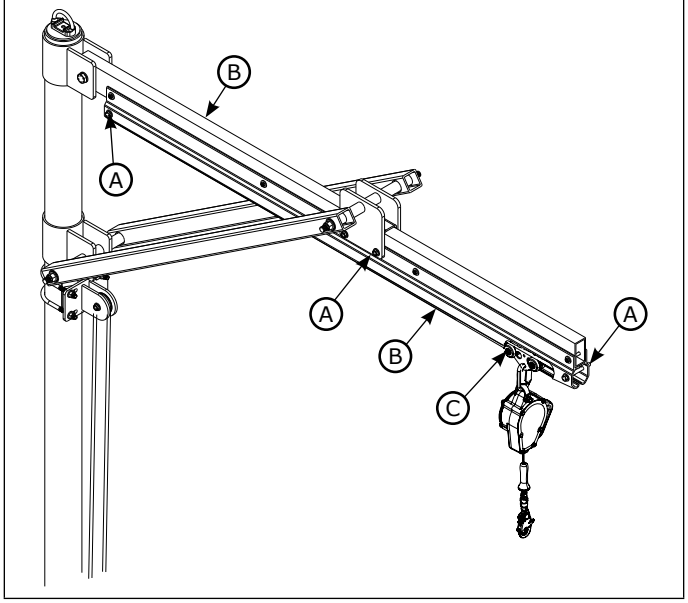


Diagram 2



LIMITED LIFETIME WARRANTY

Warranty to End User: D B Industries, Inc., dba CAPITAL SAFETY USA ("CAPITAL SAFETY") warrants to the original end user ("End User") that its products are free from defects in materials and workmanship under normal use and service. This warranty extends for the lifetime of the product from the date the product is purchased by the End User, in new and unused condition, from a CAPITAL SAFETY authorized distributor. CAPITAL SAFETY'S entire liability to End User and End User's exclusive remedy under this warranty is limited to the repair or replacement in kind of any defective product within its lifetime (as CAPITAL SAFETY in its sole discretion determines and deems appropriate). No oral or written information or advice given by CAPITAL SAFETY, its distributors, directors, officers, agents or employees shall create any different or additional warranties or in any way increase the scope of this warranty. CAPITAL SAFETY will not accept liability for defects that are the result of product abuse, misuse, alteration or modification, or for defects that are due to a failure to install, maintain, or use the product in accordance with the manufacturer's instructions.

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