



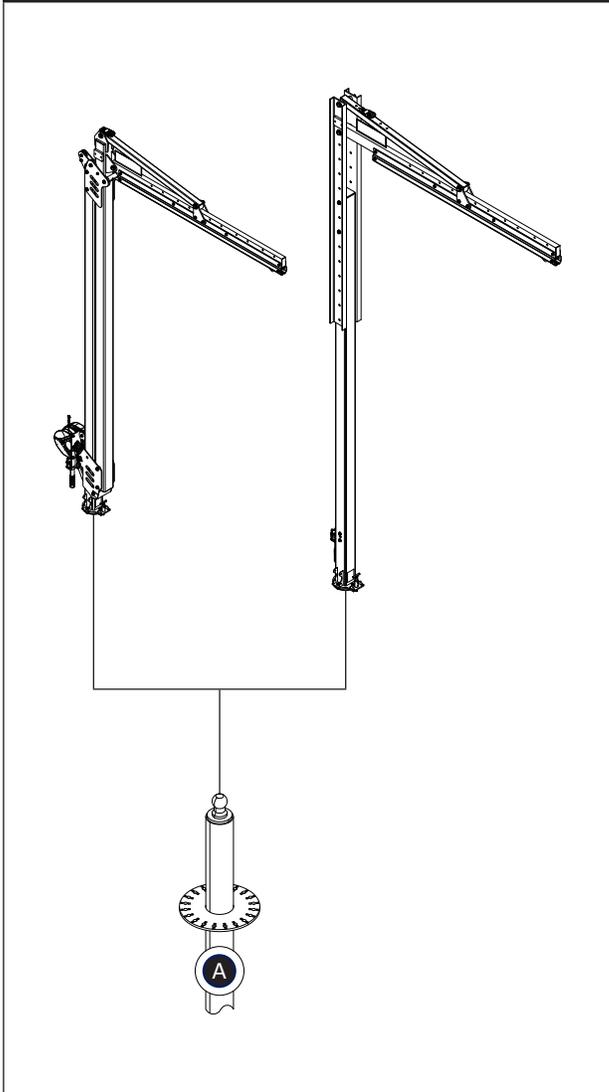
Fall Protection

		EN 795:2012 Type E
Regulation (EU) 2016/425		
CE Type Test No. 2797 BSI The Netherlands B.V. Say Building John M. Keynesplein 9 1066 EP Amsterdam Netherlands	CE Production Quality Control No. 2797 BSI The Netherlands B.V. Say Building John M. Keynesplein 9 1066 EP Amsterdam Netherlands	
OSHA 1926.502	OSHA 1910.140	

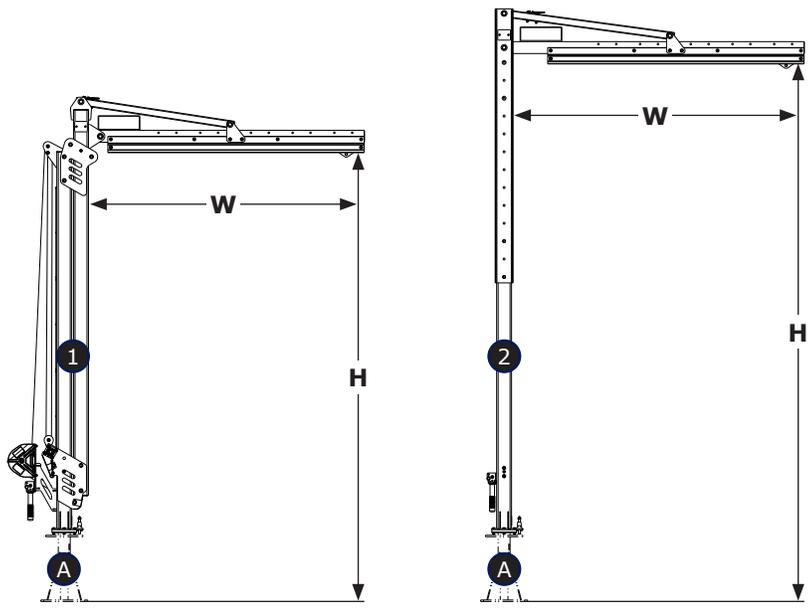
3M™ DBI-SALA® Flexiguard™ Modular Jib System M100 Adjustable Jib Boom

USER INSTRUCTIONS 5908371 REV. C

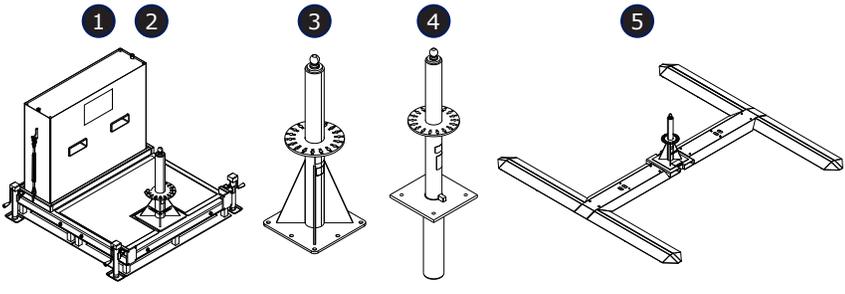
1



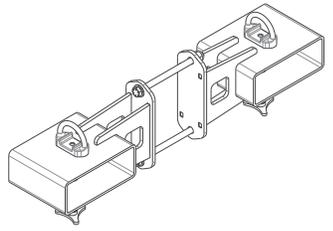
		W	H	lb. (kg)	
B	8530874	①	7.5 ft. (2.3 m)	10.0 ft. - 15.0 ft. (3.0 m - 4.6 m)	568 lb. (258 kg)
	8530875	①	7.5 ft. (2.3 m)	12.5 ft. - 20.0 ft. (3.8 m - 6.1 m)	638 lb. (289 kg)
	8530876	①	7.5 ft. (2.3 m)	15.0 ft. - 25.0 ft. (4.6 m - 7.6 m)	727 lb. (330 kg)
	8530877	①	7.5 ft. (2.3 m)	17.5 ft. - 30.0 ft. (5.3 m - 9.1 m)	805 lb. (365 kg)
	8530882	②	7.5 ft. (2.3 m)	15.0 ft. - 20.0 ft. (4.6 m - 6.1 m)	504 lb. (229 kg)
	8530883	②	7.5 ft. (2.3 m)	20.0 ft. - 25.0 ft. (6.1 m - 7.6 m)	582 lb. (264 kg)
	8530884	②	7.5 ft. (2.3 m)	25.0 ft. - 30.0 ft. (7.6 m - 9.1 m)	660 lb. (299 kg)

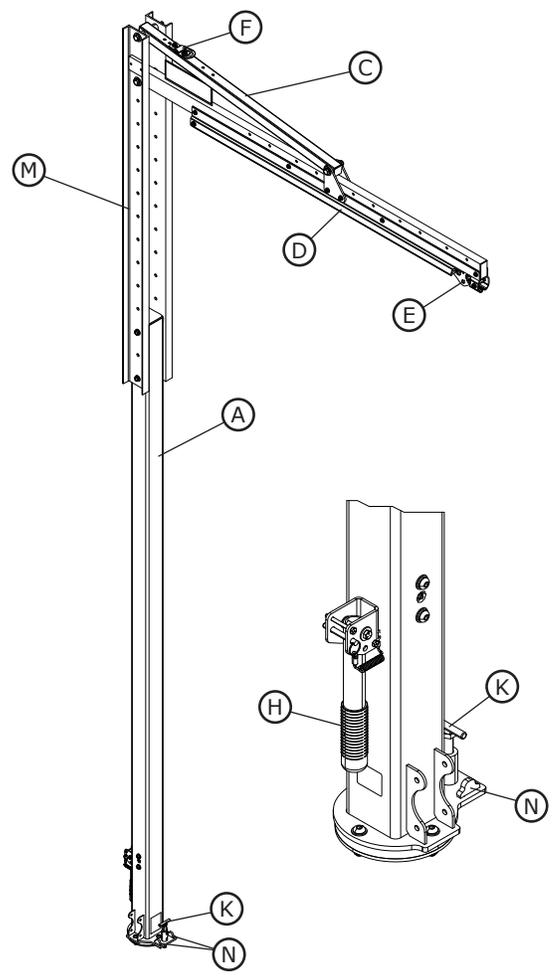
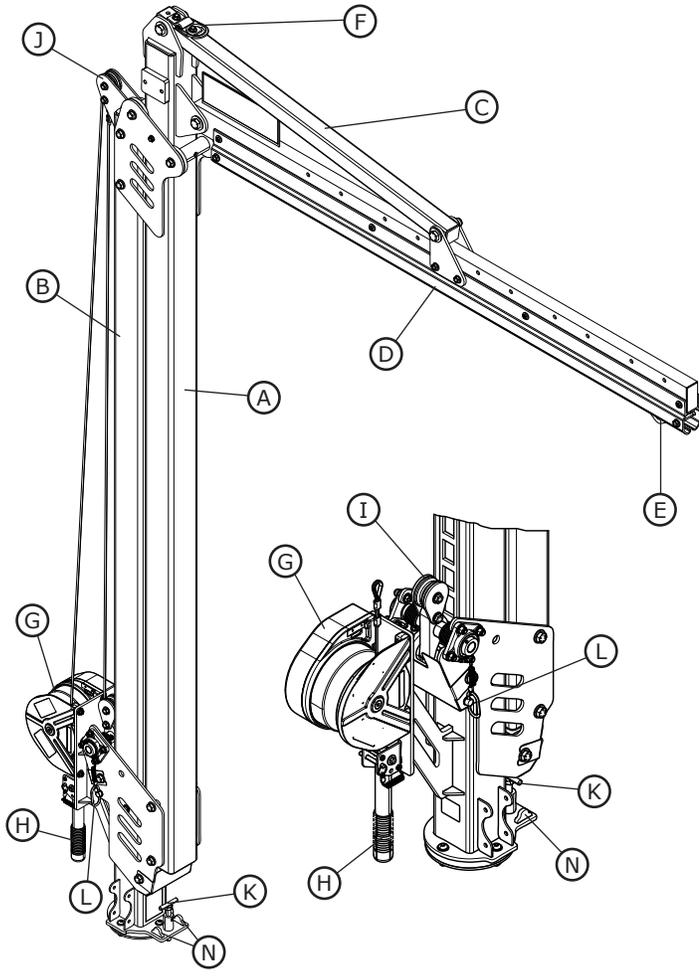


A	
8530869	①
8530870	②
8530871	③
8530872	④
8530873	⑤

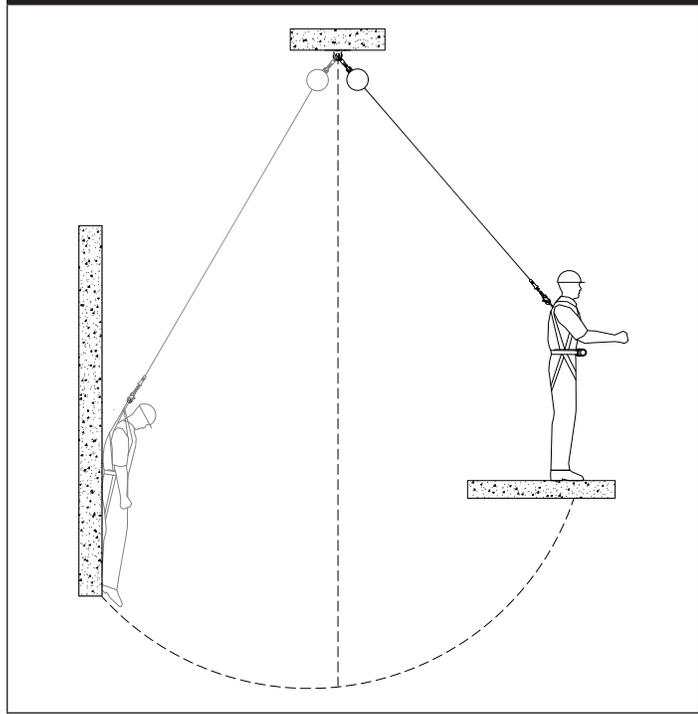


C
8530911

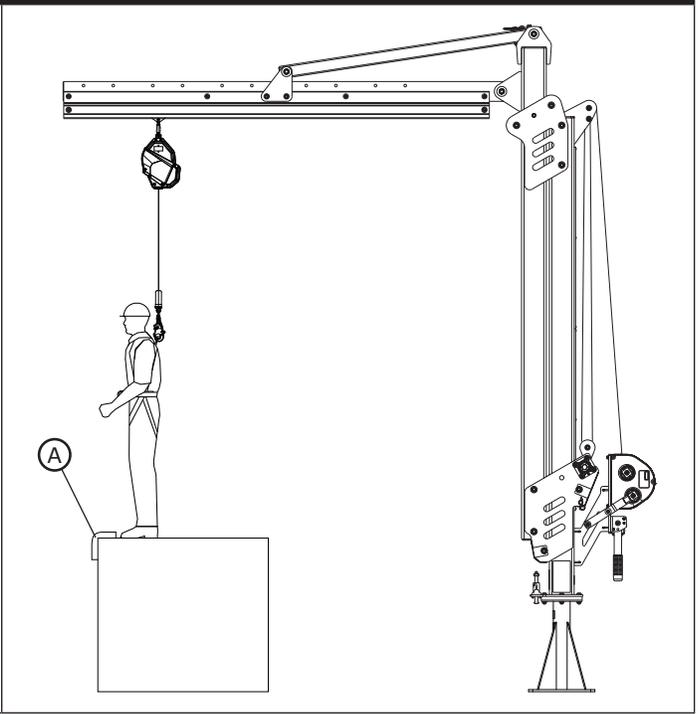




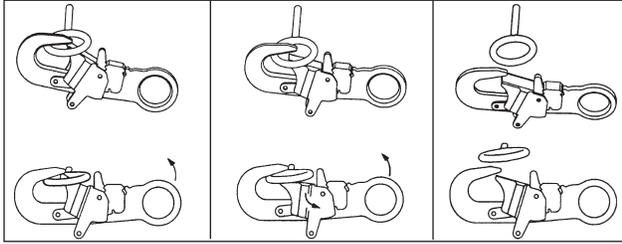
3



4



5

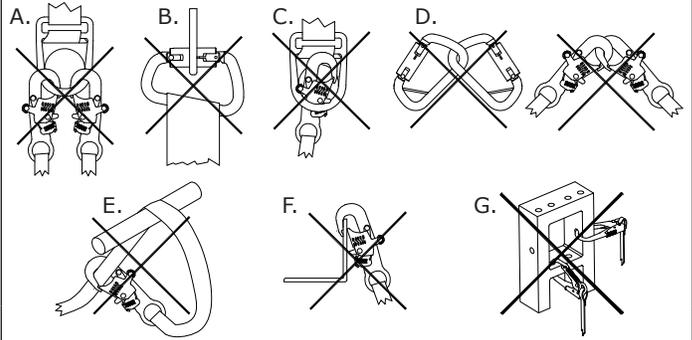


A

B

C

6



A.

B.

C.

D.

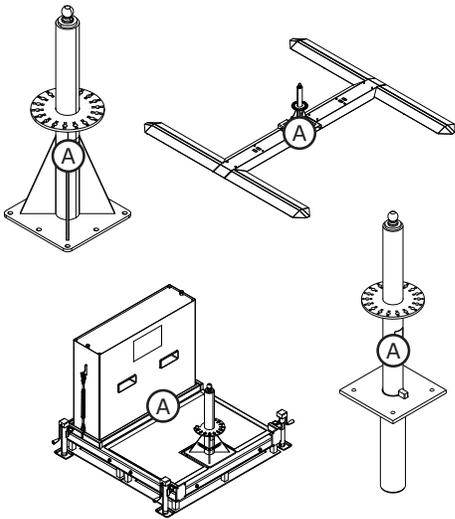
E.

F.

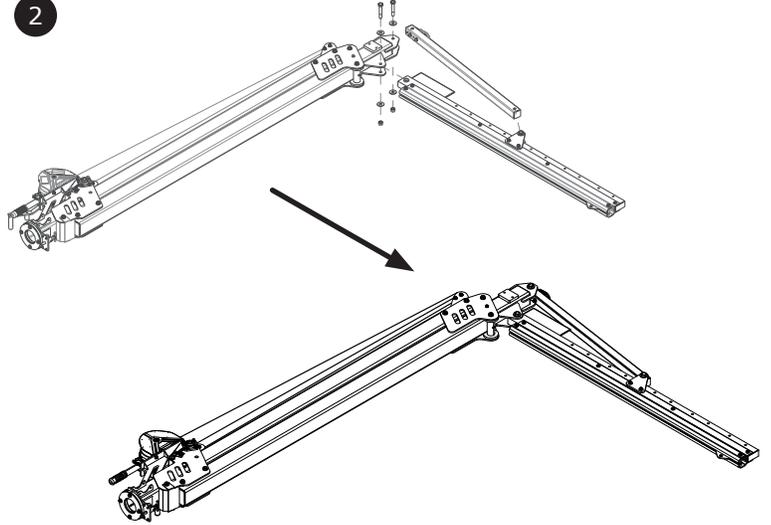
G.

7

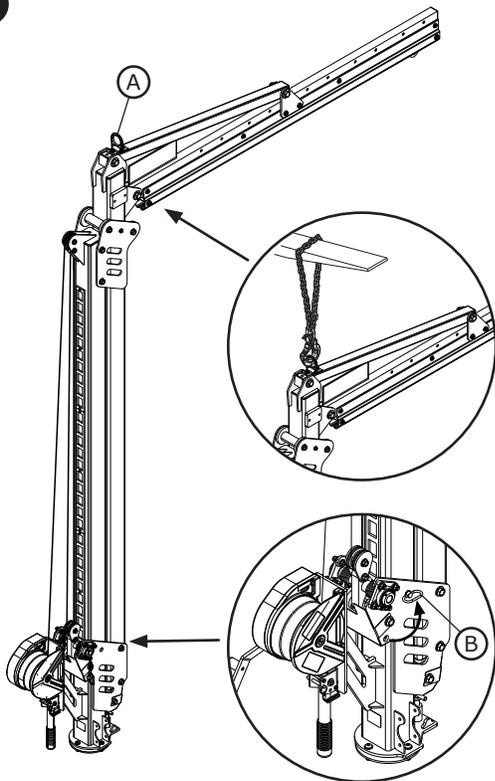
1



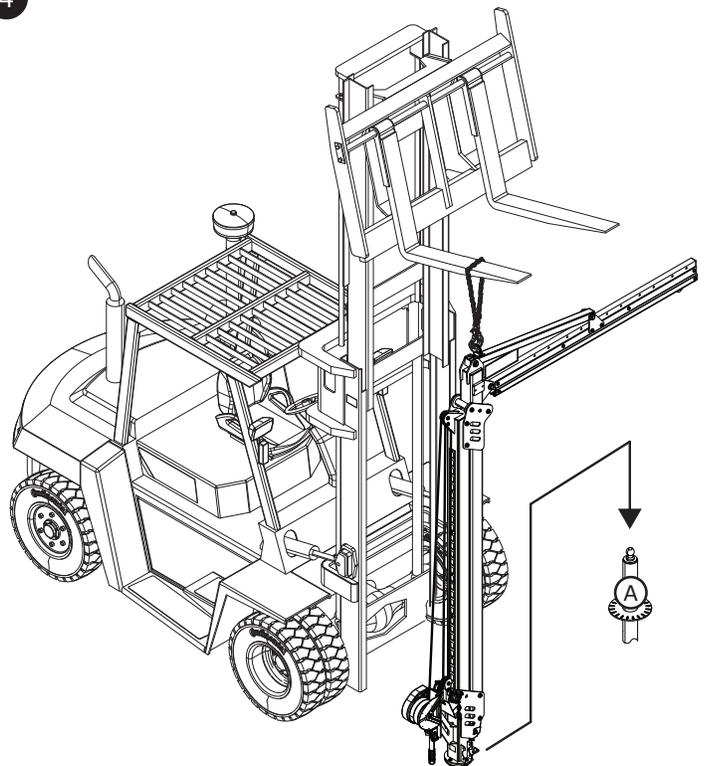
2



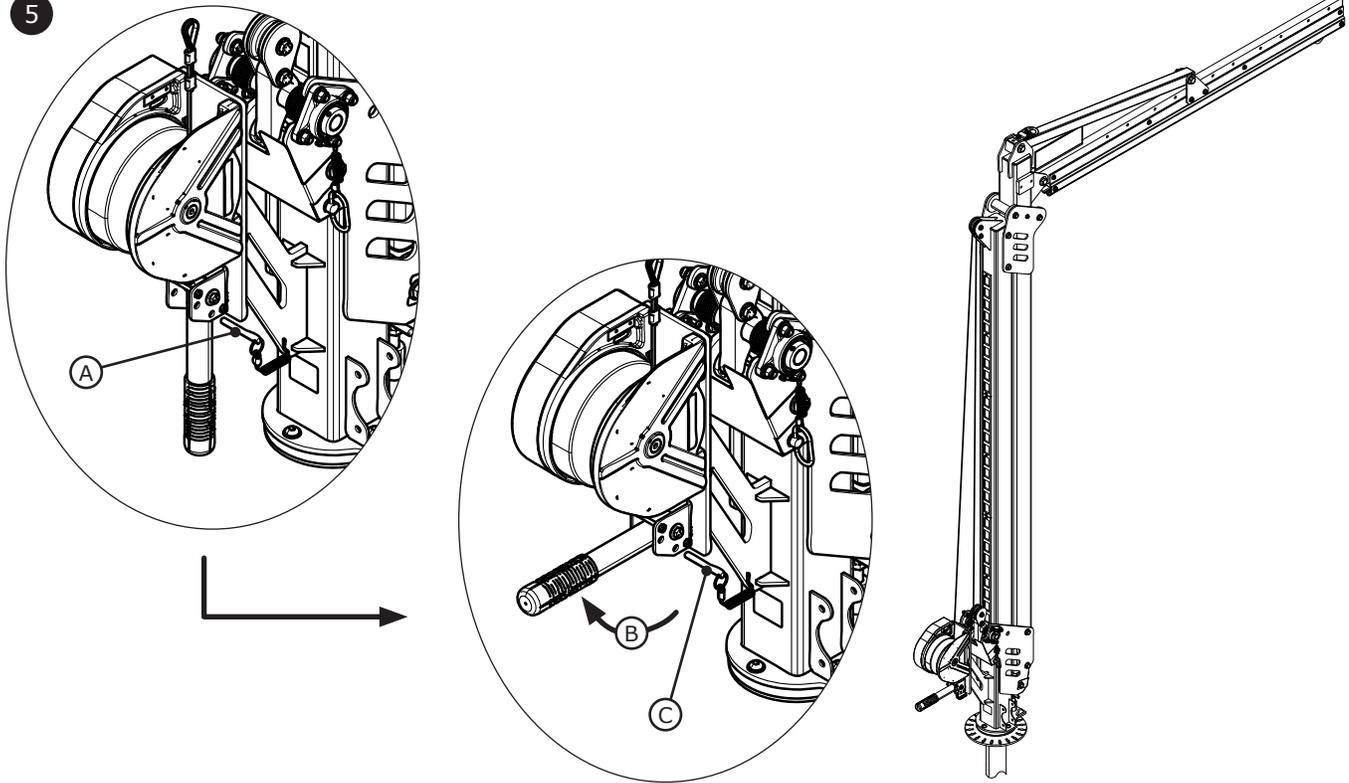
3



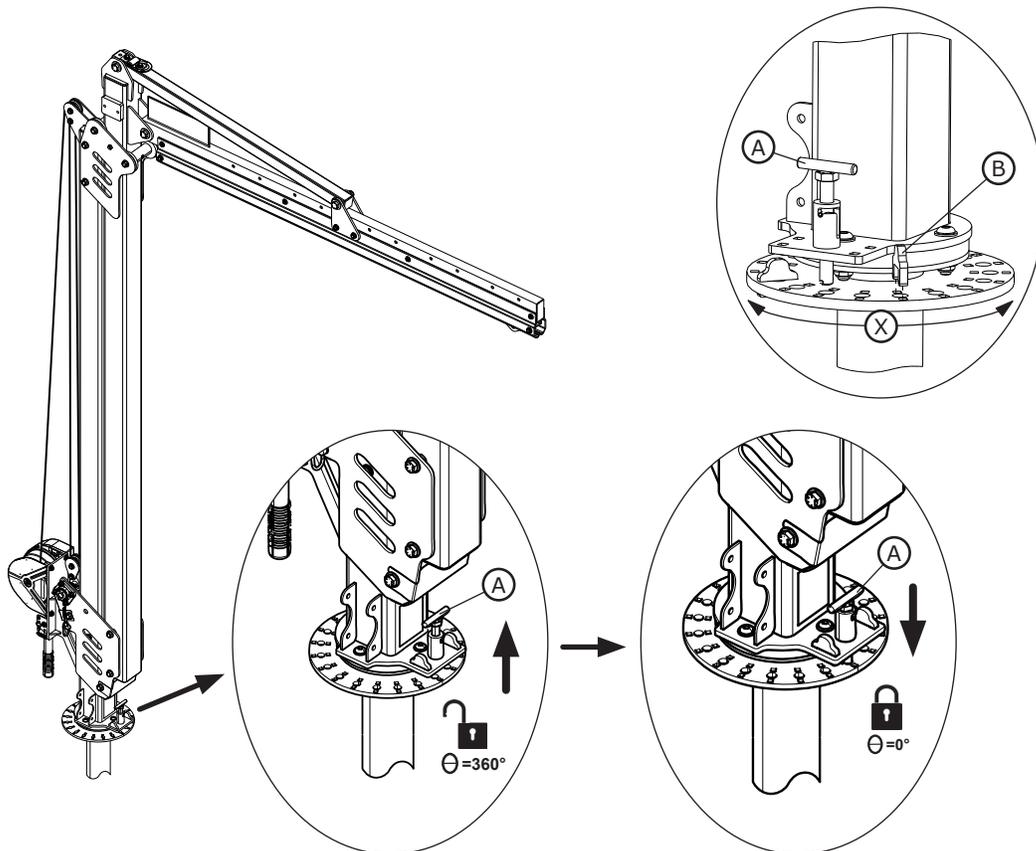
4



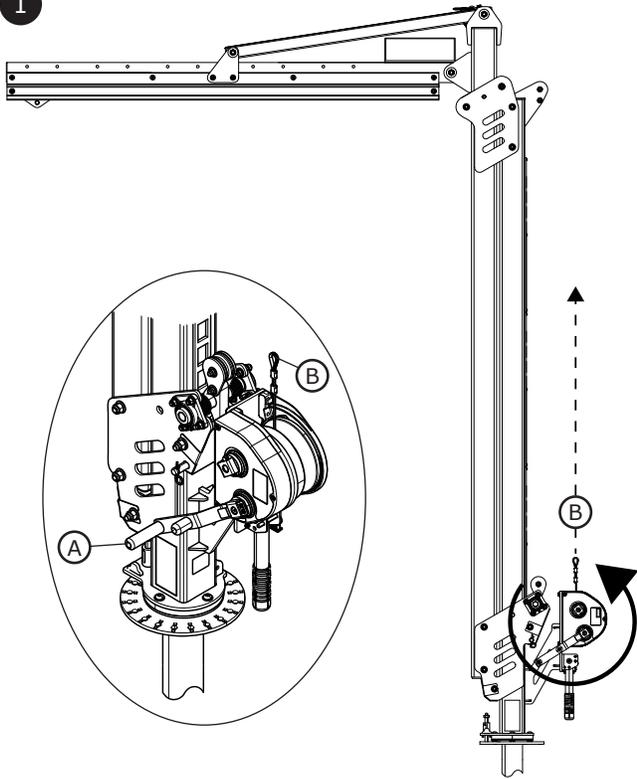
5



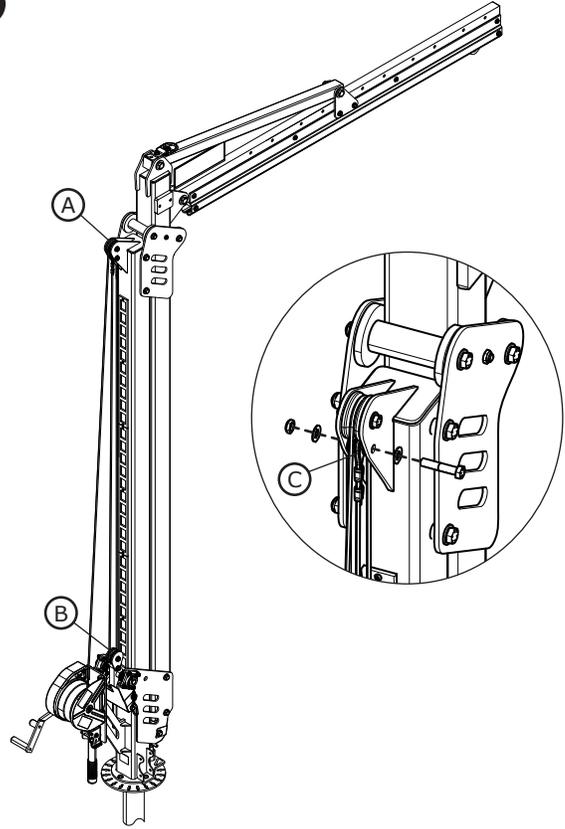
6



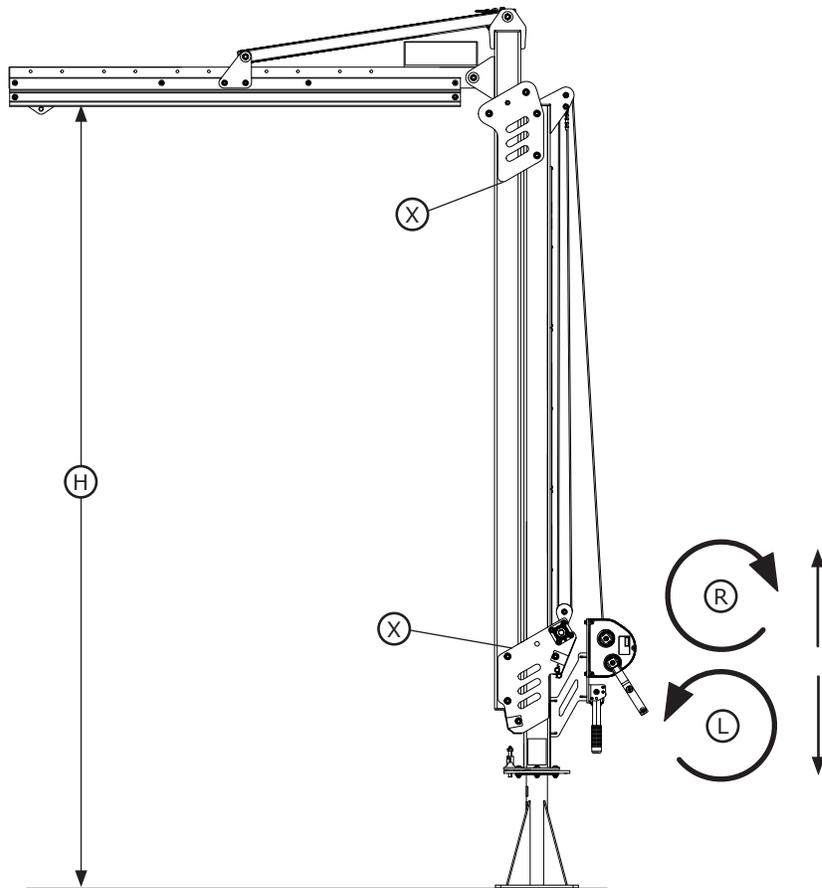
1

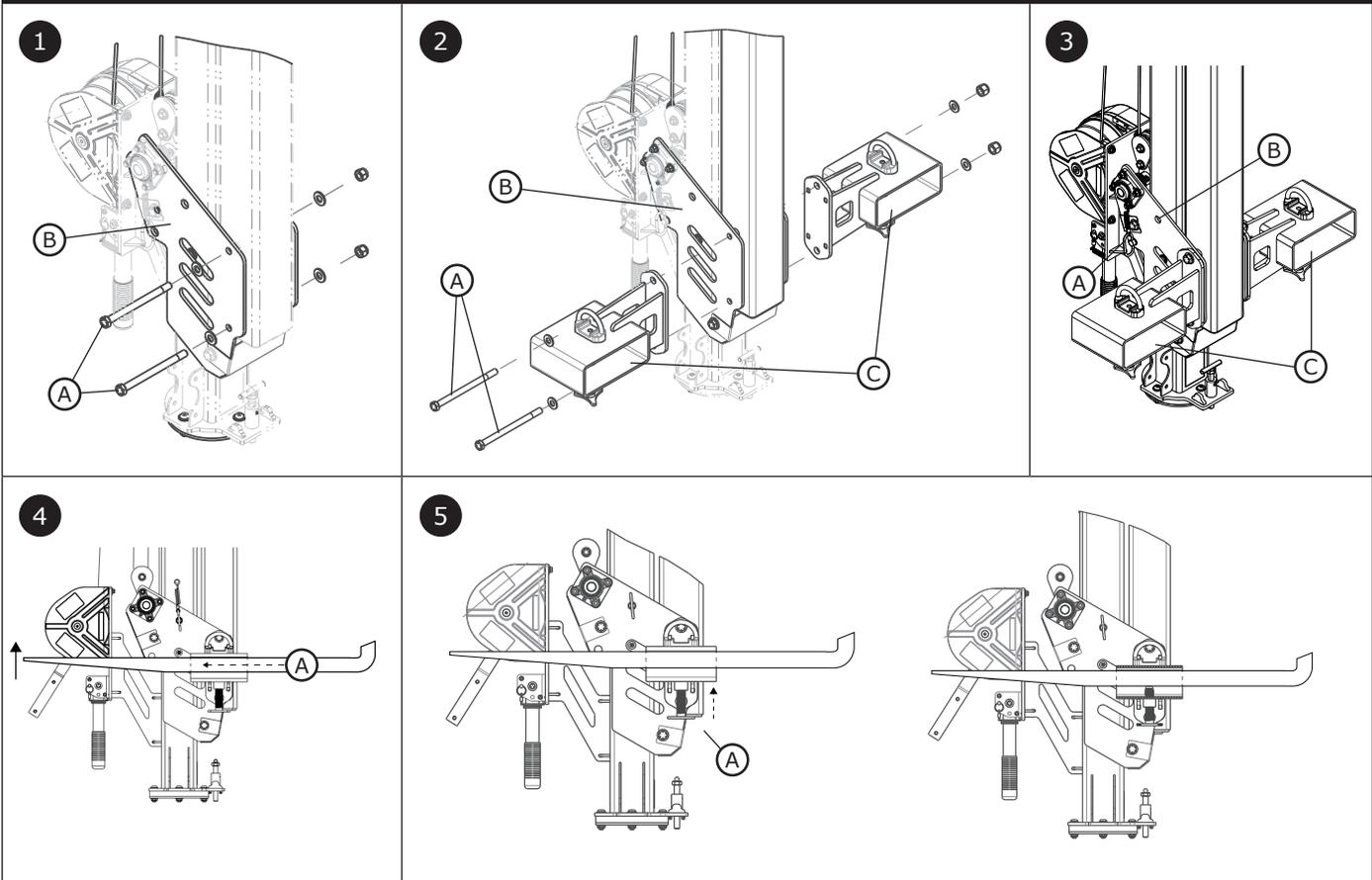
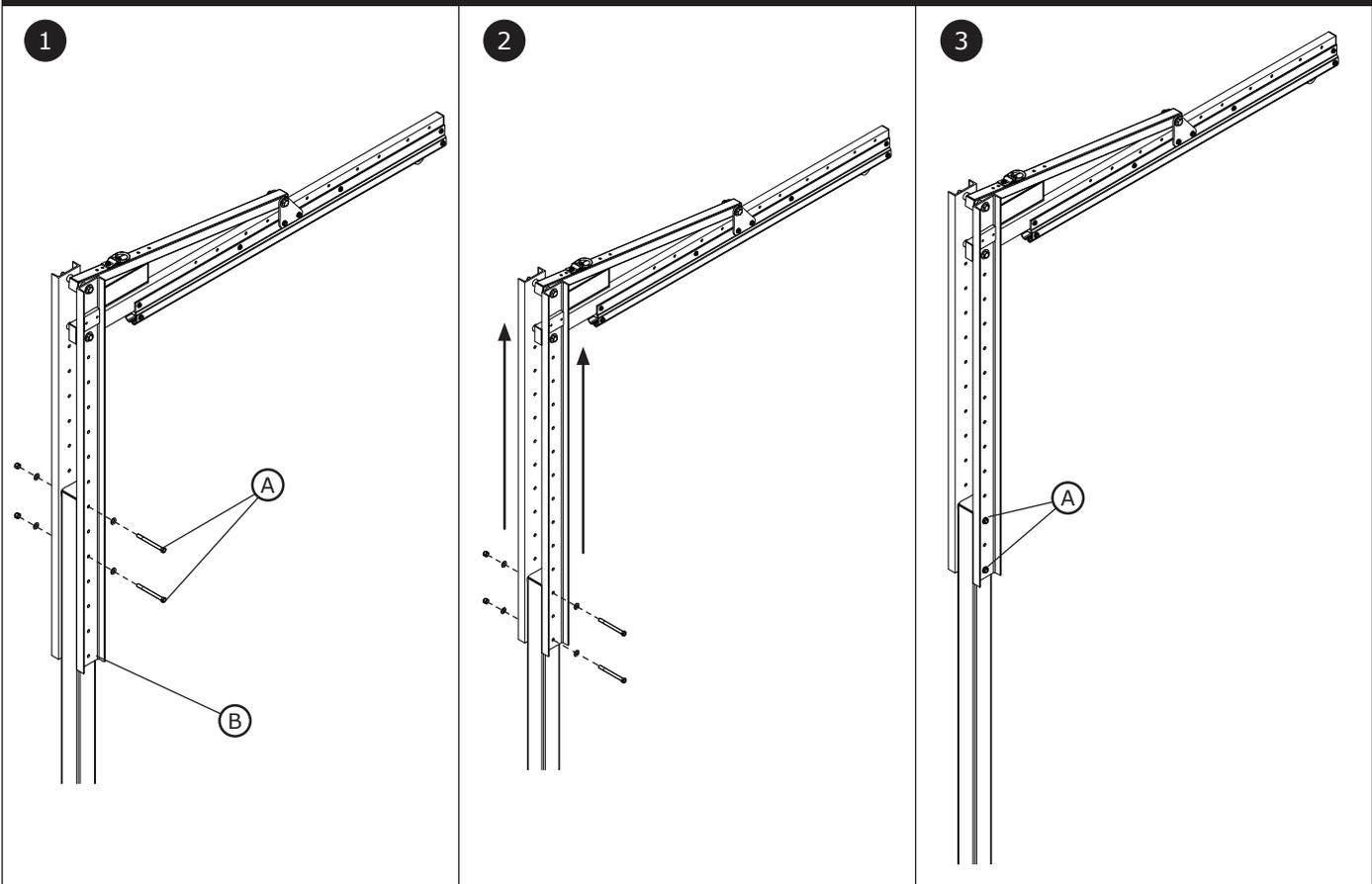


2



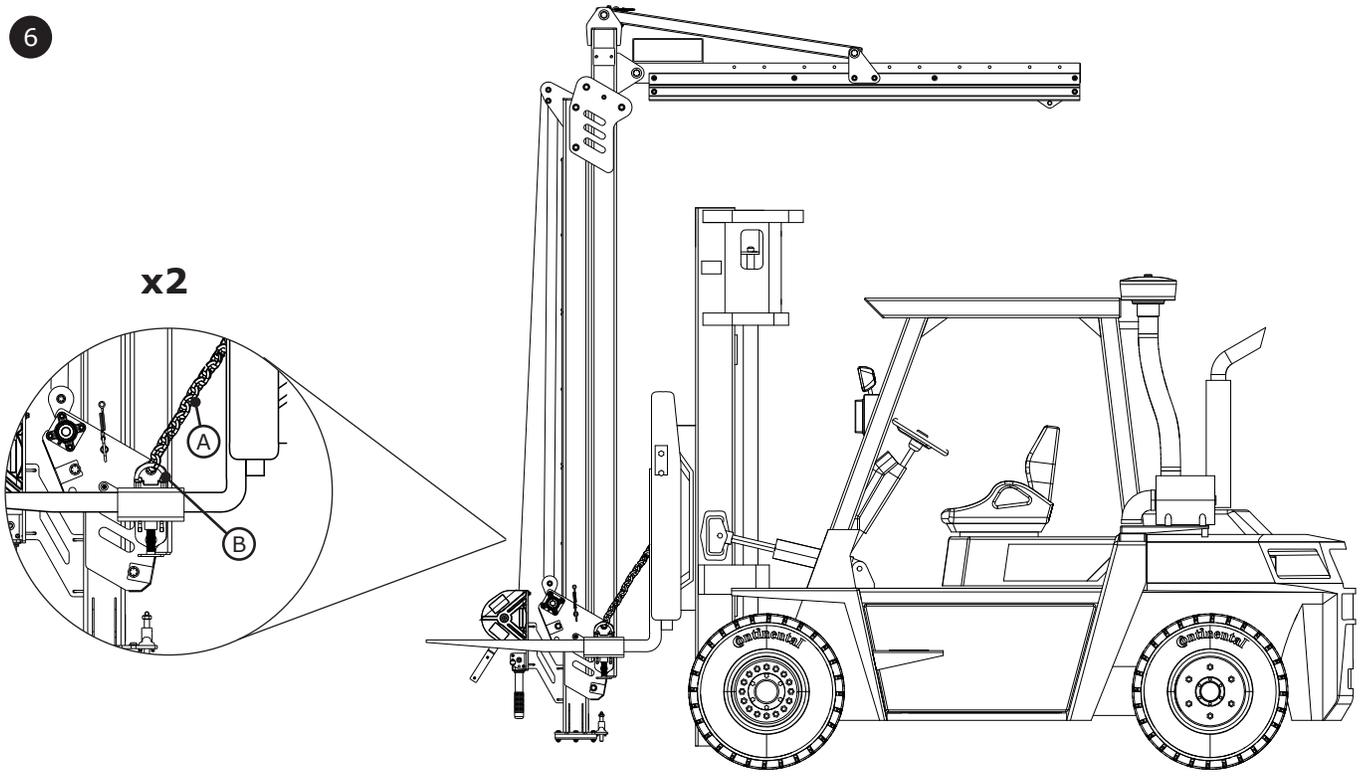
3



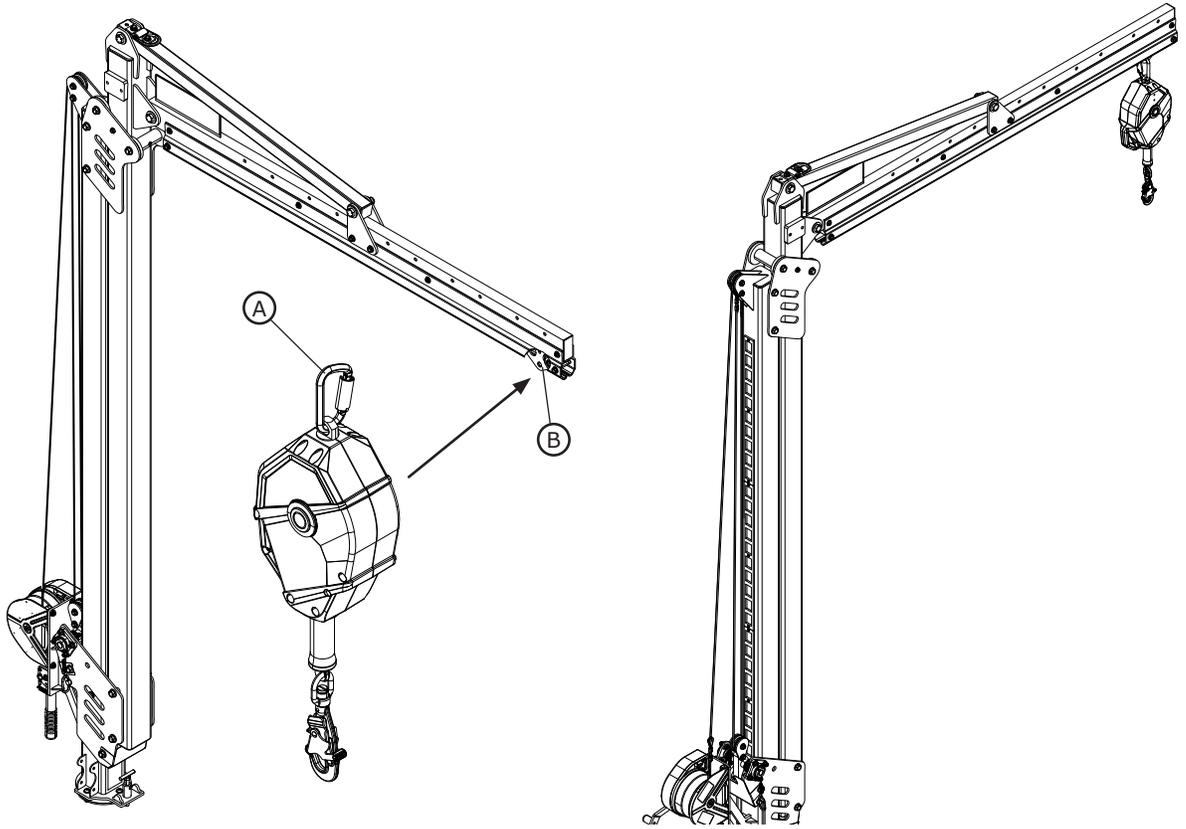


6

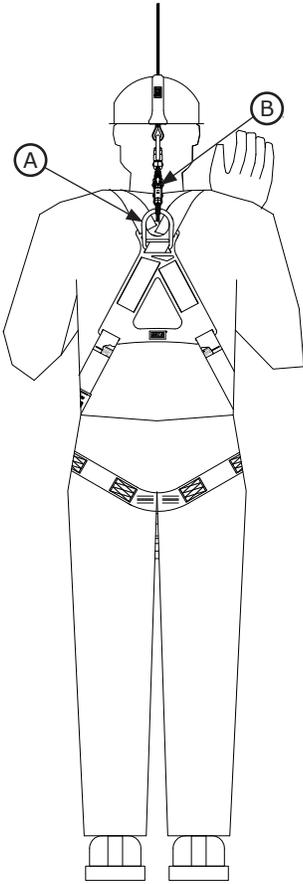
x2



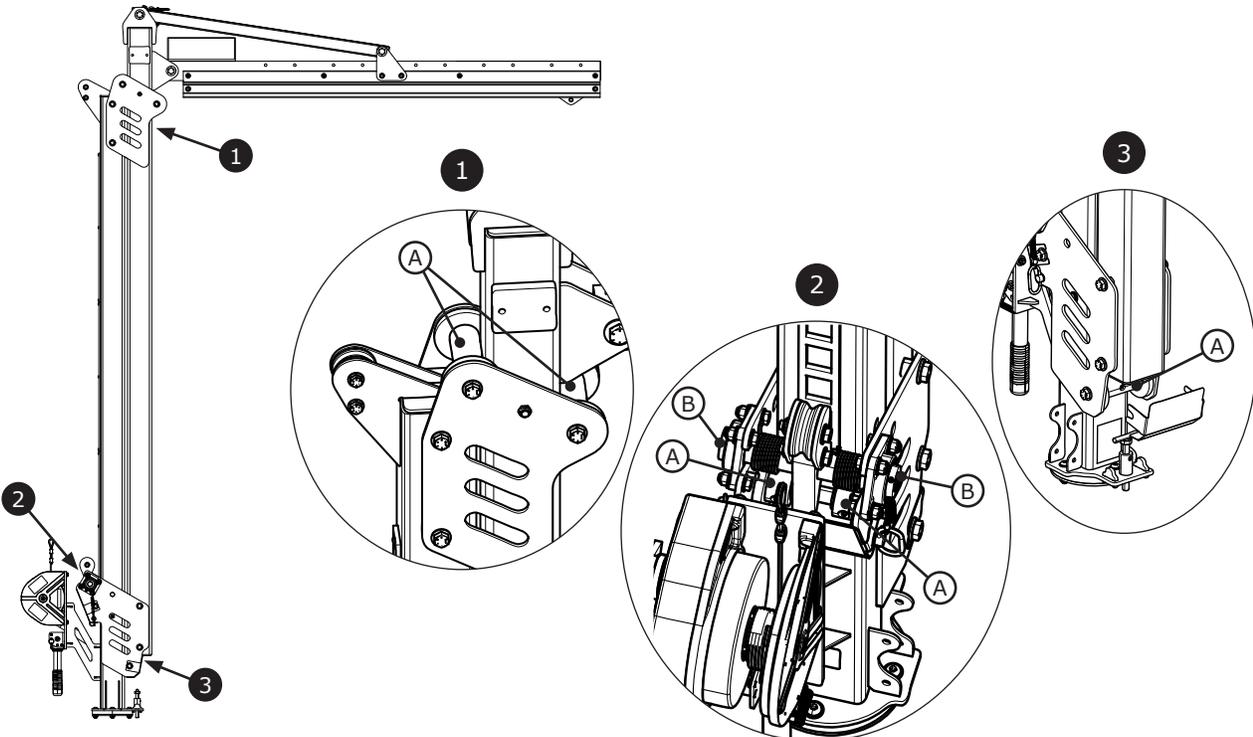
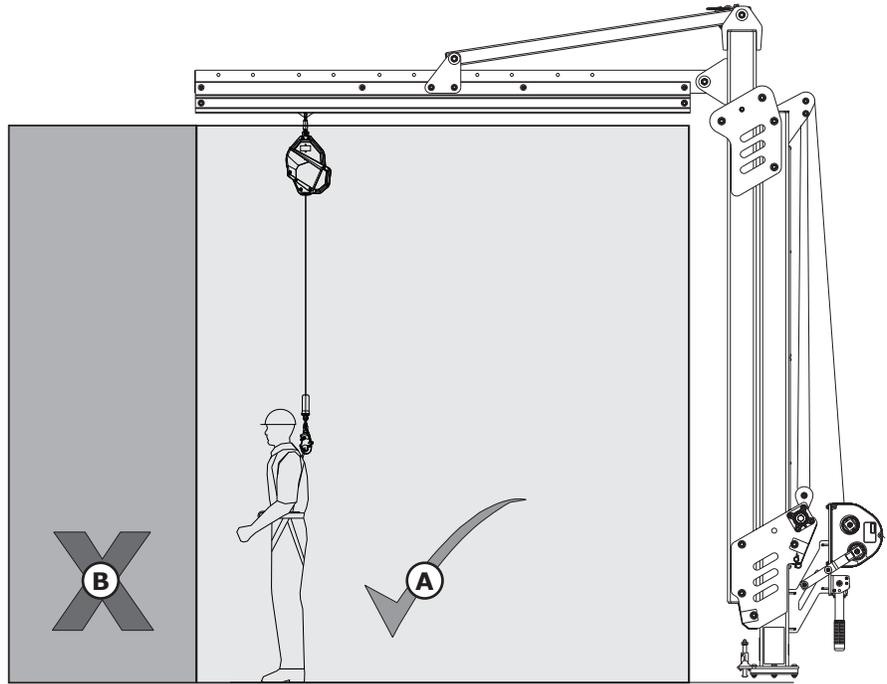
1



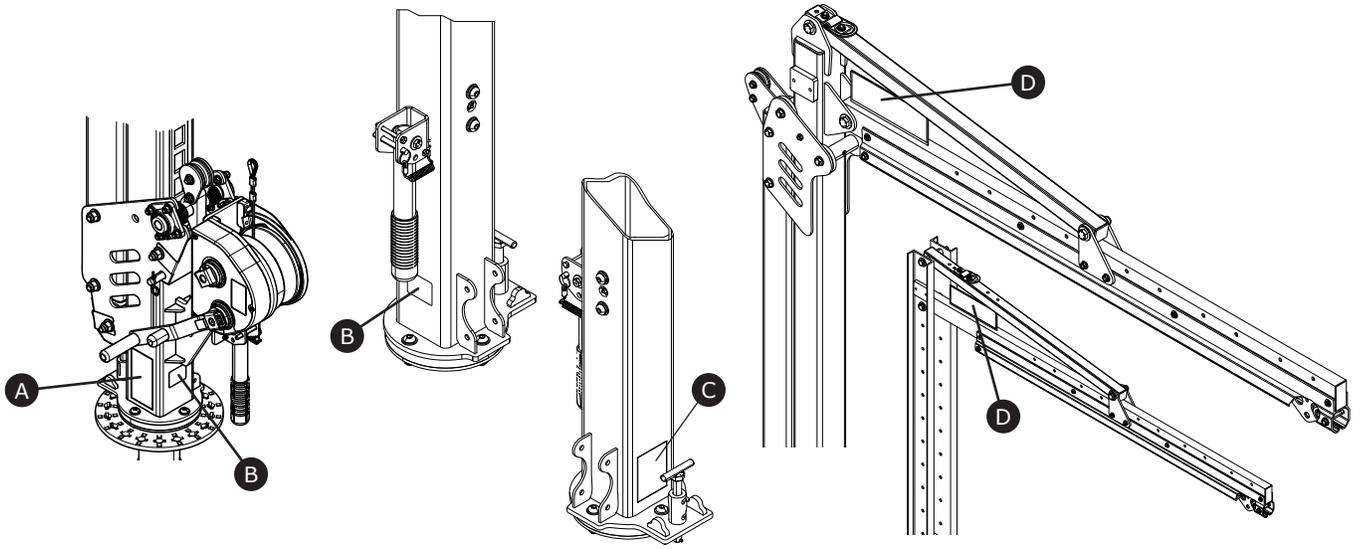
2



3



13



14

A **3M** **SALA** **CE 2797** **B** EN795:2012 "TYPE E" **C** OSHA 1926.502 & 1910.140

F ≤ 6 kN (1350 lbs.) **1x** ≤ 140 kg (310 lbs.)

# D	lb.(kg)
8530874	568 lbs. (258 kg)
8530875	638 lbs. (289 kg)
8530876	727 lbs. (330 kg)
8530877	805 lbs. (365 kg)
8530882	504 lbs. (229 kg)
8530883	582 lbs. (264 kg)
8530884	660 lbs. (299 kg)

E **G** **X** **✓**

9515102 Rev. D

D **3M** **DBI SALA**

A Mfrd. (yr, mo)
Fabr. (aa, mm)

B Model No.:
N° de Modelo:

3M.com/FallProtection
Red Wing, MN 55066, USA

C Serial no / N° de serie: 9514428 Rev. B

C

A **B** **⊖=0°** **⊕=360°**

9515101 REV. A

A **3M** **DBI SALA**

9515111 Rev. A

SAFETY INFORMATION

Please read, understand, and follow all safety information contained in these instructions prior to the use of this Flexiguard System. **FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.**

These instructions must be provided to the user of this equipment. Retain these instructions for future reference.

Intended Use:

This Flexiguard System is intended for use as part of a complete fall protection or rescue system.

Use in any other application including, but not limited to, material handling, recreational or sports related activities, or other activities not described in the User Instructions, is not approved by 3M and could result in serious injury or death.

This system is only to be used by trained users in workplace applications.

WARNING

This Flexiguard System is part of a personal fall protection or rescue system. It is expected that all users be fully trained in the safe installation and operation of the complete system. **Misuse of this system could result in serious injury or death.** For proper selection, operation, installation, maintenance, and service, refer to all Product Instructions and all manufacturer recommendations, see your supervisor, or contact 3M Technical Service.

- **To reduce the risks associated with transporting a Flexiguard system which, if not avoided, could result in serious injury or death:**
 - Ensure the system is properly secured or configured prior to transport. Refer to the User Instructions for detailed transportation requirements.
 - Only transport below 5 mph (8 km/h) and at inclines of 10° or less, or as outlined in the User Instructions.
 - Ensure the system will not contact overhead objects or electrical hazards while transporting or in use.
- **To reduce the risks associated with working with a Flexiguard system which, if not avoided, could result in serious injury or death:**
 - Inspect all components of the system before each use, at least annually, and after any fall event, in accordance with the User Instructions.
 - If inspection reveals an unsafe or defective condition, remove the system from service and repair or replace according to the User Instructions.
 - Any system that has been subject to fall arrest or impact force must be immediately removed from service. Refer to the User Instructions or contact 3M Fall Protection.
 - The substrate or structure on which the system is attached/positioned must be able to sustain the static loads specified for the system in the orientations permitted in the User Instructions or Installation Instructions.
 - Do not exceed the number of allowable users as per the User Instructions.
 - Never attach to a system until it is fully assembled, positioned, adjusted, and installed. Do not adjust the system while a user is attached.
 - Never work outside the safe work area as defined by the User Instructions.
 - Do not connect to the system while it is being transported or installed.
 - Always maintain 100% tie-off when transferring between anchor points on the system.
 - Use caution when installing, using, and moving the system as moving parts may create potential pinch points.
 - Ensure proper lockout/tagout procedures have been followed when applicable.
 - Only connect fall protection subsystems to the designated anchorage connection point on the system.
 - When drilling holes for assembly or installation of the system, ensure no electric lines, gas lines, or other critical materials or equipment will be contacted by the drill.
 - Ensure that fall protection systems/subsystems assembled from components made by different manufacturers are compatible and meet the requirements of applicable standards, including the ANSI Z359 or other applicable fall protection codes, standards, or requirements. Always consult a Competent or Qualified Person before using these systems.
- **To reduce the risks associated with working at heights which, if not avoided, could result in serious injury or death:**
 - Ensure your health and physical condition allow you to safely withstand all of the forces associated with working at height. Consult with your doctor if you have any questions regarding your ability to use this equipment.
 - Never exceed allowable capacity of your fall protection equipment.
 - Never exceed maximum free fall distance of your fall protection equipment.
 - Do not use any fall protection equipment that fails pre-use or other scheduled inspections, or if you have concerns about the use or suitability of the equipment for your application. Contact 3M Technical Services with any questions.
 - Some subsystem and component combinations may interfere with the operation of this equipment. Only use compatible connections. Consult 3M prior to using this equipment in combination with components or subsystems other than those described in the User Instructions.
 - Use extra precautions when working around moving machinery (e.g. top drive of oil rigs) electrical hazards, extreme temperatures, chemical hazards, explosive or toxic gases, sharp edges, or below overhead materials that could fall onto you or the fall protection equipment.
 - Use Arc Flash or Hot Works devices when working in high heat environments.
 - Avoid surfaces and objects that can damage the user or equipment.
 - Ensure there is adequate fall clearance when working at height.
 - Never modify or alter your fall protection equipment. Only 3M or parties authorized in by 3M may make repairs to the equipment.
 - Prior to use of fall protection equipment, ensure a rescue plan is in place which allows for prompt rescue if a fall incident occurs.
 - If a fall incident occurs, immediately seek medical attention for the fallen worker for the worker who has fallen.
 - Do not use a body belt for fall arrest applications. Use only a Full Body Harness.
 - Minimize swing falls by working as directly below the anchorage point as possible.
 - If training with this device, a secondary fall protection system must be utilized in a manner that does not expose the trainee to an unintended fall hazard.
 - Always wear appropriate personal protective equipment when installing, using, or inspecting the device/system.

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.

Always ensure you are using the latest revision of your 3M instruction manual. Visit the 3M website or contact 3M Technical Services for updated instruction manuals.

PRODUCT DESCRIPTION:

Figure 1 illustrates the 3M™ DBI-SALA® Flexiguard™ Modular Jib System M100 Adjustable Jib Boom. The M100 Jib System is used to provide an adjustable Fall Arrest anchor point for a worker. These instructions cover use of the M100 Jib Boom, but use of the M100 Jib System requires use of a Jib Base (sold separately) in addition to the Jib Boom. For a list of compatible Jib Base models, see Figure 1.

Figure 2 illustrates components of the M100 Jib Boom. See Table 1 for Component Specifications.

The Fixed Upright Assembly (A) serves as the main body of the Jib Boom. The Gusset (C) braces the Rail Assembly (D), which lets the user move within the established work area. The Connection Eye (E) secures an SRD as a connection point for the user. The Lifting Ring (F) is used to secure a chain or web strap for transporting the system. For B2 models, the Adjustment Channel (M) enables height adjustment of the Jib Boom. For B1 models, the Adjustable Upright Assembly (B) enables height adjustment in coordination with the Adjustment Winch (G). The cable of the Adjustment Winch is connected to the Jib Boom through a series of pulleys, including the Lower Pulley of the Locking Assembly (I) and Upper Pulley (J). The Rotation Handle (H) allows for rotation of the Jib Boom after placement. The Rotation Pin (K) secures the Jib Boom to prevent rotation. For B1 models, the Transportation Pin (L) is used to secure the Jib Boom during transportation.

Table 1 – Specifications

System Specifications:		
Capacity:	One person with a combined weight (clothing, tools, etc.) of no more than 310 lb. (140 kg).	
Anchorage:	See the User Instructions for your Jib Base for more information on loading requirements of structure.	
Dimensions:	See Figure 1 for the dimensions of each M100 Jib Boom model.	
Product Weight:	See Figure 1 for the weight of each M100 Jib Boom model.	
Maximum Arresting Force:	All connecting subsystems (SRDs, Energy Absorbing Lanyards, etc.) used with the Jib Boom must limit the Maximum Arresting Force to 1,350 lbf (6.0 kN).	
Maximum Deflection:	17.0 in. (432 mm)	
Certification:	M100 Adjustable Jib Booms when used with 3M Jib Bases:	
	Portable Bases	EN795.2012
		OSHA 1926.502
		OSHA 1910.140
	8530869	Certified (Type E)
	8530870	Certified (Type E)
	8530873	Certified (Type B)
	Permanent Bases	
	8530871	Meets (Type A)
	8530872	Meets (Type A)
Jib Boom Compatibility:	The M100 Jib Boom models covered in these instructions are compatible only with those Jib Base models listed on the front cover of these instructions.	

Component Specifications:

Figure 2 Reference	Component	Materials	Figure 2 Reference	Component	Materials
(A)	Fixed Upright Assembly	Steel	(H)	Rotation Handle	Rubber, steel
(B)	Adjustable Upright Assembly	Steel	(I)	Locking Assembly	Plastic, steel
(C)	Gusset	Steel	(J)	Upper Pulley	Plastic
(D)	Rail Assembly	Aluminum	(K)	Rotation Pin	Steel
(E)	Connection Eye	Stainless steel, plastic wheels	(L)	Transportation Pin	Steel
(F)	Lifting Ring	Steel, stainless steel	(M)	Adjustment Channel	Steel
(G)	Adjustment Winch	Plastic, steel, aluminum	(N)	Rotation Stop	Steel

1.0 PRODUCT APPLICATION

- 1.1 PURPOSE:** Jib Booms are designed to provide anchorage connection points for a Fall Protection system.
- 1.2 STANDARDS:** Your Jib Boom conforms to the national or regional standard(s) identified on the front cover of these instructions. If this product is resold outside the original country of destination, the re-seller must provide these instructions in the language of the country in which the product will be used.
- 1.3 SUPERVISION:** Installation of this equipment must be supervised by a Qualified Person¹. Use of this equipment must be supervised by a Competent Person².
- 1.4 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 national, regional, or local standards. 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.
- 1.5 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 persons³, and rescuers⁴. 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.
- 1.6 AFTER A FALL:** If this equipment is subjected to fall arrest or impact forces, remove it from service immediately. Clearly tag it "DO NOT USE". See Section 5 for more information.

2.0 SYSTEM REQUIREMENTS

- 2.1 ANCHORAGE:** Anchorage requirements vary with the fall protection application. Structure on which the Flexiguard Anchorage System is placed or mounted must meet the Anchorage specifications defined in Table 1.
- 2.2 FALL ARREST SYSTEM:** Fall Arrest systems used with the Jib Boom must meet applicable Fall Protection standards, codes, and requirements. Refer to the instructions included with your connecting subsystem for additional fall requirements. The Fall Arrest system must incorporate a Full Body Harness and limit Arresting Force to the values specified in Table 1.
- 2.3 FALL PATH AND SRD LOCKING SPEED:** A clear path is required to assure positive locking of an SRD. 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 SRD 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 SRD 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.
- 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 instruction manual of your connecting subsystem for specifics regarding Fall Clearance calculation.
- 2.6 SWING FALLS:** Swing Falls occur when the anchorage point is not directly above the point where a fall occurs (see Figure 3). The force of striking an object in a swing fall may cause serious injury or death. Minimize swing falls by working as directly below the anchorage point as possible. Do not permit a swing fall if injury could occur. Swing falls will significantly increase the clearance required when a Self-Retracting Device or other variable length connecting subsystem is used.
- 2.7 SHARP EDGES:** Avoid working where Lifeline or Lanyard components of the Fall Arrest system can contact or abrade against unprotected sharp edges or abrasive surfaces (see Figure 4). Where contact with a sharp edge or abrasive surface is unavoidable, cover the edge with protective material (A).
- 2.8 COMPONENT COMPATIBILITY:** 3M equipment is designed for use with 3M-approved components and subsystems only. Substitutions or replacements made with non-approved components or subsystems may jeopardize compatibility of equipment and may affect the safety and reliability of the complete system.
- 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 3M if you have any questions about compatibility. Connectors must comply with EN 362. 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).

1 Qualified Person: A person with a recognized degree, certificate or professional standing, or who by extensive knowledge, training and experience has successfully demonstrated his ability to solve or resolve problems relating to Fall Protection systems to the extent required by OSHA or other applicable federal, state, and local regulations.

2 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.

3 Authorized Person: A person assigned by the employer to perform duties at a location where the person will be exposed to a fall hazard.

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

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.

3M 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. 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 16 kN (3,600 lbf) 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

3.1 PLANNING: Plan your Fall Protection system prior to installation of the Jib Boom. 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 PLACING THE JIB BOOM: Before the Jib Boom can be used, it must be secured to a Jib Base. See Figure 7 for reference. To secure the Jib Boom to a Jib Base:

1. Install and prepare the Jib Base (A) per its User Instructions. See Figure 1 for a list of compatible Jib Base models.
2. Secure the Rail Assembly and Gusset to the Upright Assembly using the 3/4 in. hardware provided. Torque hardware to 130 ft-lb (176 N-m).
3. Connect the Jib Boom to the lifting device (forklift, overhead crane, etc.) that will transport the system. Insert the Transportation Pin (B) before lifting the Jib Boom. Ensure that the Jib Boom is lifted by the Lifting Ring (A) located atop the Gusset.
4. Transport the Jib Boom to the Jib Base. Lower the Jib Boom onto the Jib Base (A).

When transporting the Jib Boom via forklift, driving speed must not exceed 5 mph (8 kpm).

5. After placement of the Jib Boom, rotate the Jib Boom to its desired work position by means of the Rotation Handle. First, remove the Locking Pin (A) from the Rotation Handle. Then, lift the Rotation Handle to its perpendicular position (B), and secure the handle by reinserting the Locking Pin (C).
6. To lock rotation of the Jib Boom, position the Locking Pin (A) over one of the holes on the Jib Base and then engage the Locking Pin to secure the Jib Boom. Alternatively, the Locking Pin may be kept retracted to allow the Jib Boom to rotate freely. Rotation Stops (B) may be inserted to limit System Rotation (X) within a desired range.

3.3 TRANSPORTING AFTER PLACEMENT: The Jib System may be moved after placement on some Jib Base models. For more information, see the manufacturer instructions for your Jib Base model.

3.4 ADJUSTING THE HEIGHT OF THE JIB BOOM: After securing the Jib Boom to the Jib Base, you may adjust the height of the Jib Boom. Height adjustment procedures vary based on your Jib Boom model. See Figure 1 for Jib Boom identification.

- **B1 MODELS:** This series of M100 Jib Boom models is adjustable through means of an Adjustment Winch attached to the base of the Jib Boom. See Figure 8 for reference.

INSTALLING THE ADJUSTMENT WINCH CABLE:

This series of the M100 Jib Boom is shipped with the cable of the Adjustment Winch already routed through the M100 Jib Boom. If the cable is already routed, skip to "Using the Adjustment Winch".

1. Pay out the Cable (B) of the Adjustment Winch (A) by rotating the handle counterclockwise.
2. Extend the cable slowly as you thread it first through the Upper Pulley (A), then around the Lower Pulley (B) of the Locking Assembly. From the Lower Pulley, guide the cable back towards the Upper Pulley, then attach the cable thimble to the 1/2 in. Anchor Bolt (C) between the spacer washers. Torque hardware to 60 ft-lb (81 N-m).

USING THE ADJUSTMENT WINCH:

3. After securing the cable through the system, the System Height (H) of the Jib Boom may be adjusted by turning the handle of the Adjustment Winch. By turning the handle clockwise (R), the Jib Boom is raised. By turning the handle counterclockwise (L), the Jib Boom is lowered. The height of the Jib Boom may be set anywhere between the Side Plates (X) at the top and bottom of the Jib Boom. The Jib Boom may be raised until the Side Plates touch at the top of the system.
- **B2 MODELS:** This series of M100 Jib Boom models is adjustable through means of the Adjustment Channel attached to the Fixed Upright Assembly. See Figure 9 for reference. To adjust the height of the Jib Boom:
 1. Remove the two Channel Fasteners (A) from the Adjustment Channel (B).
 2. Set the Jib Boom to the desired height. Each hole in the Adjustment Channel adjusts the height of the system by 6.0 in. (15 cm).
 3. Fasten the two Channel Fasteners (A) to secure the Adjustment Channel at its new height. Torque 5/8 in. hardware to 75 ft-lb (102 N-m).

3.5 CONNECTING A SELF-RETRACTING DEVICE (SRD): To connect to the M100 Jib System, the user must first connect an SRD to the Jib Boom. See Figure 11 for reference. To connect an SRD to the Jib Boom:

1. Secure the top connector of your SRD (A) to the Connection Eye (B) on the Rail Assembly.
2. Secure the end connector of your SRD (B) to the D-Ring (A) on your Full Body Harness.
3. When using the SRD with the Jib System, stay within the Safe Working Radius (A) of the Jib Boom. The user should remain as directly below the Connection Eye as possible when using the system. For more information on safe work area, see Section 4.

3.6 INSTALLATION AND USE OF THE FORK POCKET KIT (8530911): For B1 Jib Boom models, a Fork Pocket kit (sold separately) may be secured to the Jib Boom to facilitate easy transport without use of a Jib Base or the D-Ring atop the Gusset. See Figure 10 for reference. To connect the Fork Pockets to the Jib Boom and transport:

1. Remove the Fasteners (A) from the Side Plates (B) at the base of the Upright Assembly.
2. Place the Fork Pockets (C) on either side of the Jib Boom, flush against the Side Plates (B) with their mounting holes aligned. Insert the new Fasteners (A) to secure, threading through both the Fork Pockets and both the Side Plates. Torque 5/8 in. hardware to 75 ft-lb (102 N-m).

3. Verify that the Fork Pockets are securely installed. The Tri-Screws located on the bottom of the forks should be facing downward.
4. To transport, insert the blades of the forklift through the Fork Pockets. Raise the forklift blades to the top of the Fork Pocket tubes.

When using the Fork Pockets, always approach from the front of the Jib Boom.

Use caution when inserting the blades of the forklift through the Fork Pockets. Moving parts may create pinch points and cause injury.

6. Tighten the Tri-Screws (A) at the base of each Fork Pocket tube to secure each tube to the forklift blades.
7. Verify that the Jib Boom is secured by its Fork Pockets to the forklift. Secure the Fork Pockets to the forklift by attaching a Chain (A) from each Fork Pocket Connection Ring (B) to the forklift.

4.0 USE

- 4.1 **BEFORE EACH USE:** Verify that your work area and Fall Protection system meet all criteria defined in these instructions. Verify that a formal Rescue Plan is in place. Inspect the system per the 'User' inspection points defined in the "Inspection and Maintenance Log" (Table 2). If inspection reveals an unsafe or defective condition, or if there is any doubt about its condition for safe use, remove the system from service immediately. Clearly tag the system "DO NOT USE". See Section 5 for more information.
- 4.2 **SAFE WORKING RADIUS:** The Safe Working Radius of the Jib Boom does not extend beyond the length of the Jib Boom itself. See Figure 11.3 for reference. When using the M100 Jib System, the user should remain within the indicated Safe Working Zone (A). Leaving the Safe Working Zone to an Outside Location (B) is dangerous and could result in serious injury or death. When working on either side of the M100 Jib System, keep the anchor point as close overhead as possible. If a rotation stop is in place on the jib mount, never work past that rotation stop.

5.0 INSPECTION

After product has been removed from service, it may not be returned to service until a Competent Person confirms in writing that it is acceptable to do so.

- 5.1 **INSPECTION FREQUENCY:** The product shall be inspected before each use by the user and, additionally, by a Competent Person other than the user at intervals of no longer than one year. A higher frequency of equipment use and harsher conditions may require increasing the frequency of Competent Person inspections. The frequency of these inspections should be determined by the Competent Person per the specific conditions of the worksite.
- 5.2 **INSPECTION PROCEDURES:** Inspect this product per the procedures listed in the "Inspection and Maintenance Log". Documentation of each inspection should be maintained by the owner of this equipment. An inspection and maintenance log should be placed near the product or be otherwise easily accessible to users. It is recommended that the product is marked with the date of next or last inspection.
- 5.3 **DEFECTS:** If the Jib Boom cannot be returned to service because of an existing defect or unsafe condition, then either destroy the system or contact 3M or a 3M-authorized service center about possible repair.
- 5.4 **PRODUCT LIFE:** The functional life of the Jib Boom is determined by work conditions and maintenance. As long as the product passes inspection criteria, it may remain in service.

6.0 MAINTENANCE, SERVICE, and STORAGE

- 6.1 **CLEANING:** Periodically clean the metal components of the Jib Boom with a soft brush, warm water, and a mild soap solution. Ensure parts are thoroughly rinsed with clean water.
- 6.2 **SERVICE:** Only 3M or parties authorized in writing by 3M may make repairs to this equipment.
- 6.3 **STORAGE:** If applicable, store the Jib Boom 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.

Some Jib Base models used with the M100 Jib System are permanent. The Jib Boom may be removed from these Jib Bases for storage or transport, but the Jib Base will have to remain.

7.0 LABELS and MARKINGS

- 7.1 **LABELS:** Figures 13 and 14 illustrate labels present on the Jib Boom. Figure 13 illustrates label locations and Figure 14 displays those associated labels. Labels must be replaced if they are not present or are not fully legible. Information provided on each label is as follows:

A	A) 3M Logo B) Applicable Standards C) Read all instructions. D) Jib Boom Model Numbers and Weight Values E) Maximum Arresting Force 1,350 lbf (6 kN) F) Maximum Capacity - One user with a combined weight (clothing, tools, etc.) of no more than 310 lb. (140 kg).
B	A) Manufactured (Year/Month) B) Model Number C) Serial Number
C	A) Engage the Locking Pin to prevent rotation of the system. B) Disengage the Locking Pin to enable full rotation of the system. C) Maximum System Rotation is equivalent to the limits allowed by engagement or disengagement of the pin.
D	A) 3M Logo



Fall Protection

USA
3833 SALA Way
Red Wing, MN
55066-5005

Distributed by Engineered Fall Protection
Sales@EngineeredFallProtection.com
www.EngineeredFallProtection.com
Tel: (314) 492-4422



EU DECLARATION OF CONFORMITY:
3M



Fall Protection

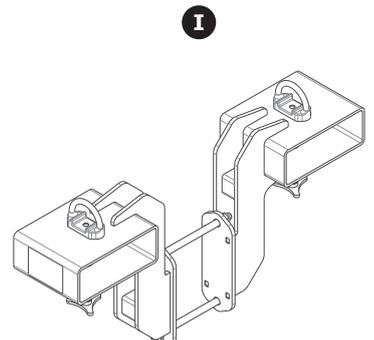
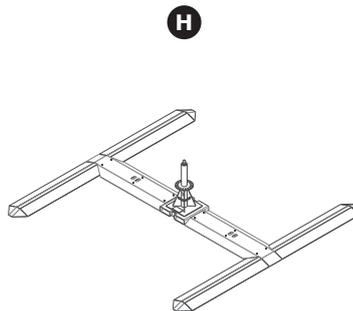
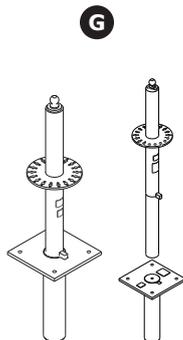
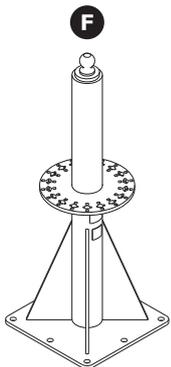
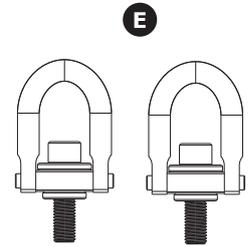
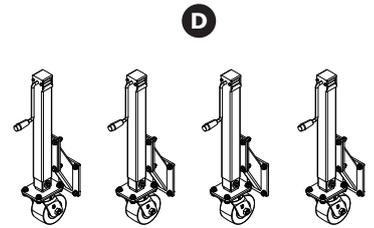
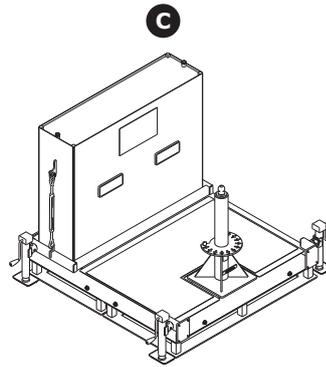
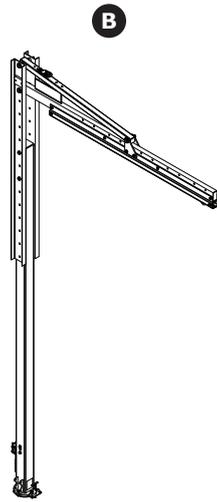
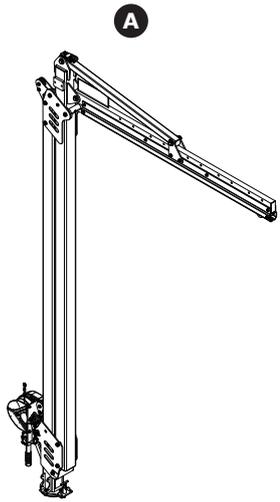


OSHA

3M™ DBI-SALA® Flexiguard™ Modular Jib Systems M100

Technical Data Sheet Pack 5908525 Rev. C

Callout	Technical Data Sheet	Description	Page
A	8530874	10 ft.–15 ft. (3.0 m–4.6 m) Jib Arm Adjustable	2
	8530875	12.5 ft.–20 ft. (3.8 m–6.1 m) Jib Arm Adjustable	2
	8530876	15 ft.–25 ft. (4.6 m – 7.6 m) Jib Arm Adjustable	2
	8530877	17.5 ft.–30 ft. (5.3 m–9.1 m) Jib Arm Adjustable	2
B	8530882	15 ft.–20 ft. (4.6 m–6.1 m) Jib Arm Semi-Fixed	4
	8530883	20 ft.–25 ft. (6.1 m–7.6 m) Jib Arm Semi-Fixed	4
	8530884	25 ft.–30 ft. (7.6 m–9.1 m) Jib Arm Semi-Fixed	4
C	8530869	Unfilled Counterweight Base	6
	8530870	Filled Counterweight Base	6
D	8530908	Counterweight Base Jacks	8
E	8530914	Counterweight Base Lifting Rings	8
F	8530871	Floor Mount Base	10
G	8530872, 8530918, 8530919	Flush Mount Base	11
H	8530873	Drive Over H-Base	13
I	8530911	Fork Pocket Kit	15



Modular Jib Arm Adjustable

TECHNICAL DATA SHEET: 8530874-8530877

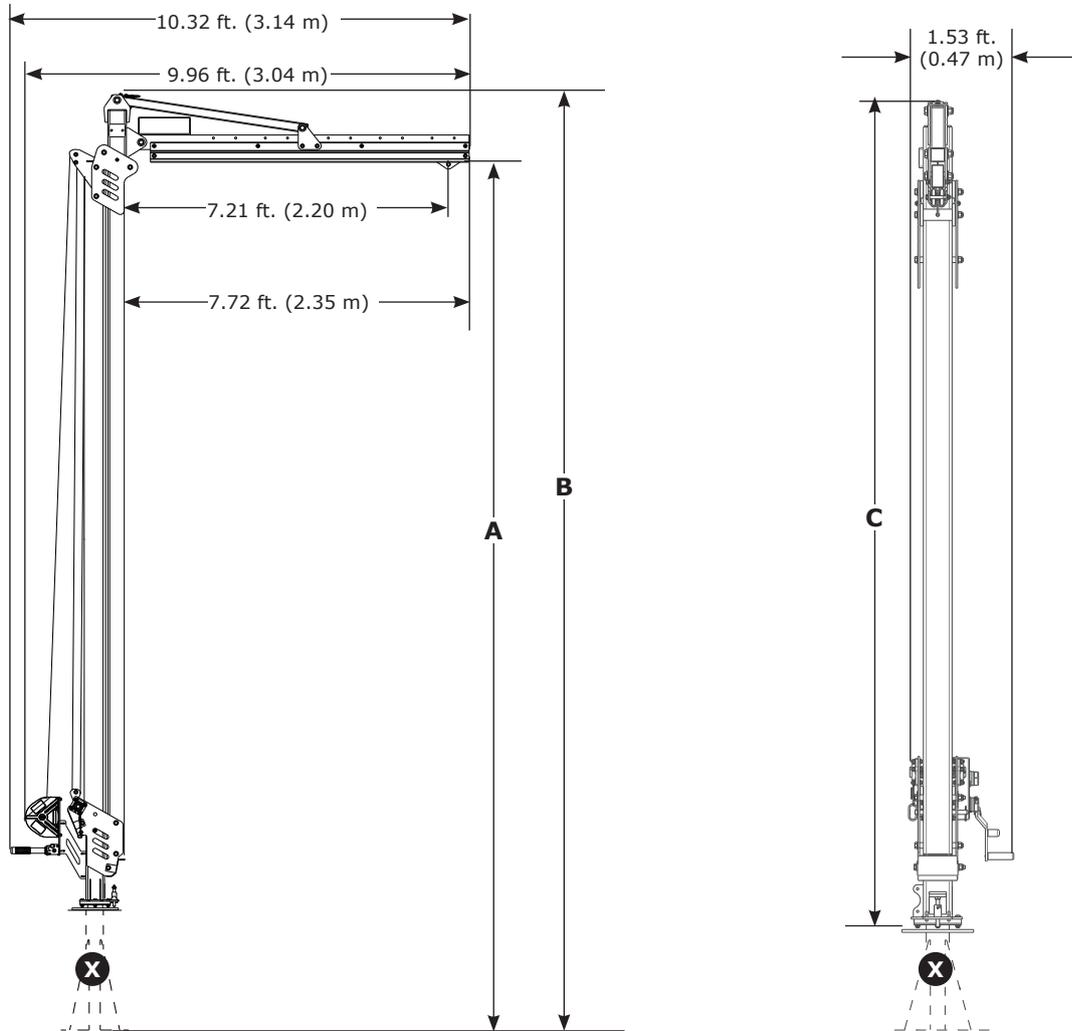


APPLICATION:

The M100 Modular Jib Arm is designed to provide anchorage connection points for a Fall Protection system.

For more information on product installation, refer to the 3M instruction manual for the M100 Jib Arm (5908371).

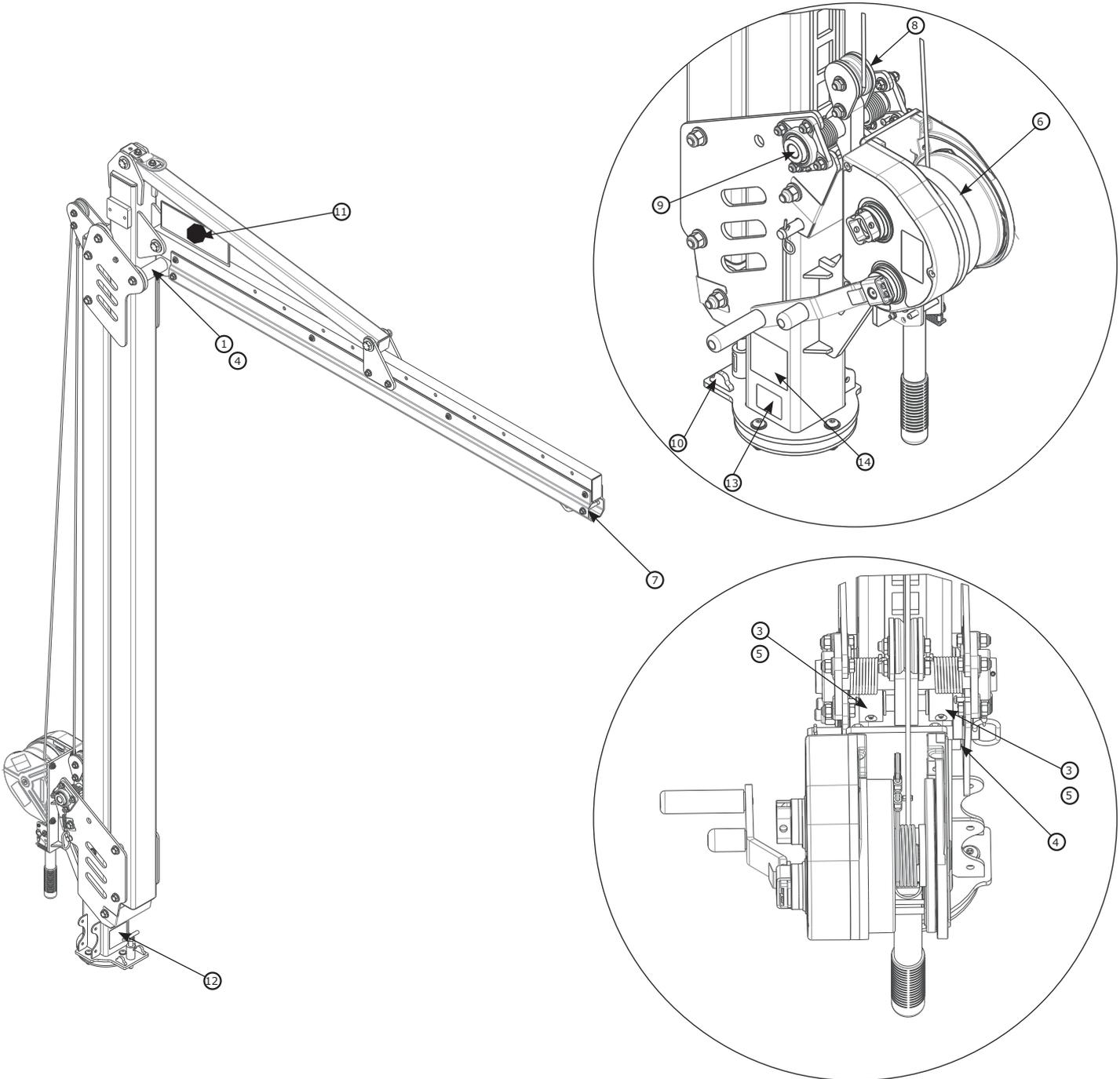
Standards: EN795:2012 Type E, OSHA 1910.140, OSHA 1926.502



	A	B	C	lb. (kg)
8530874	10.0 ft. – 15.0 ft. (3.0 m – 4.6 m)	11.6 ft. – 16.6 ft. (3.5 m – 5.0 m)	9.8 ft. – 14.8 ft. (3.0 m – 4.5 ft.)	568 lb. (258 kg)
8530875	12.5 ft. – 20.0 ft. (3.8 m – 6.1 m)	14.1 ft. – 21.6 ft. (4.3 m – 6.6 m)	12.2 ft. – 19.7 ft. (3.7 m – 6 m)	638 lb. (289 kg)
8530876	15.0 ft. – 25.0 ft. (4.6 m – 7.6 m)	16.6 ft. – 26.6 ft. (5.0 m – 8.1 m)	14.8 – 24.8 ft. (4.5 m – 7.6 m)	727 lb. (330 kg)
8530877	17.5 ft. – 30.0 ft. (5.3 m – 9.1 m)	19.1 ft. – 31.6 ft. (5.8 m – 9.6 m)	17.3 ft. – 29.8 ft. (5.3 m – 9.1 m)	805 lb. (365 kg)

Modular Jib Arm Adjustable Components

TECHNICAL DATA SHEET: 8530874-8530877



Component List				
	Part Number	Description	Material	Quantity
①	8549907	Wide Roller	Nylon	3
②	8549864	Wide Roller Spacer	304 Stainless Steel	3
③	8550327	Narrow Roller	Nylon	2
④	9514703	Side Roller	Nylon	8
⑤	8550215	Narrow Roller Spacer	304 Stainless Steel	2
⑥	8549930	Winch	Steel	1
⑦	8521711	Trolley	Steel, Nylon	1

Component List				
	Part Number	Description	Material	Quantity
⑧	8550225	Locking Mechanism (only authorized repair)	Steel, Nylon	1
⑨	9515138	Bearings	Steel	2
⑩	8550125	Rotation Stop	Steel	2
⑪	9515111	3M Label	Polyester	2
⑫	9515101	Rotation Label	Polyester	1
⑬	9514429	ID Label	Polyester	1
⑭	9515102	User Label	Polyester	1

Modular Jib Arm Semi-Fixed

TECHNICAL DATA SHEET: 8530882-8530884



Fall Protection

APPLICATION:

The M100 Modular Jib Arm is designed to provide anchorage connection points for a Fall Protection system.

For more information on product installation, refer to the 3M instruction manual for the M100 Jib Arm (5908371).

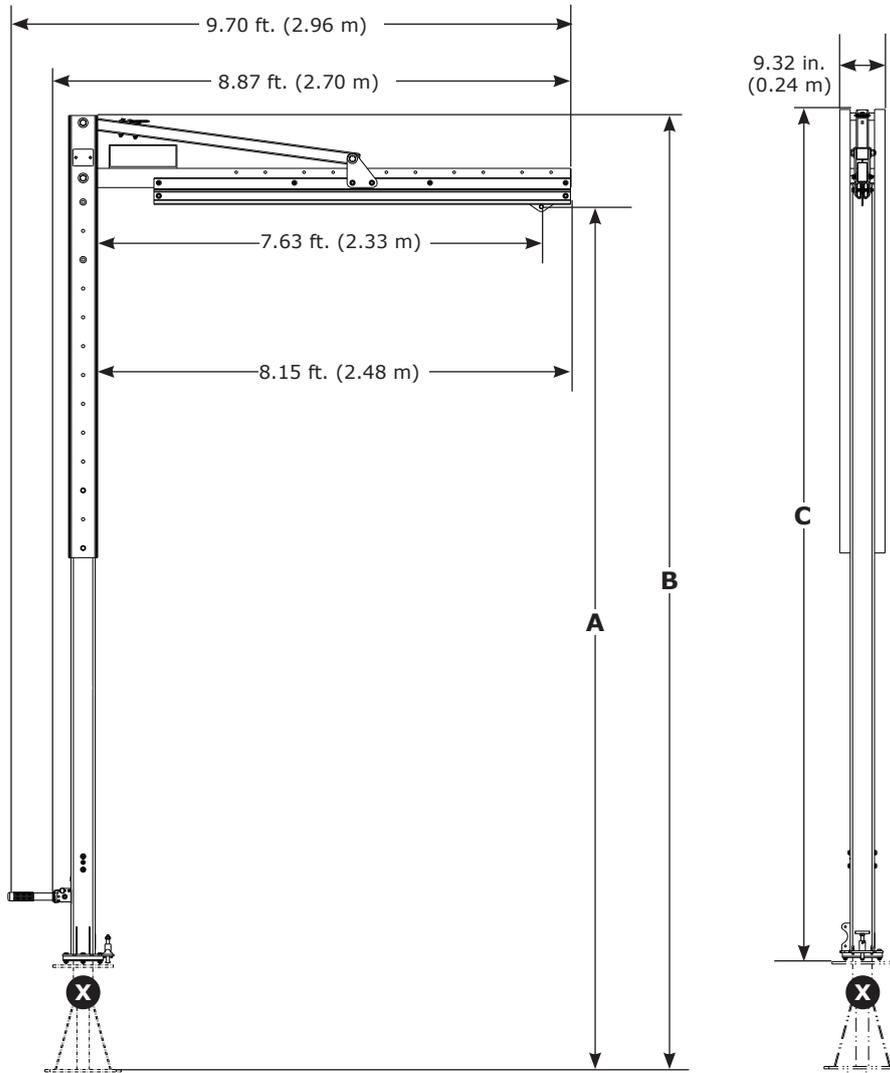
Standards: EN795:2012 Type E, OSHA 1910.140, OSHA 1926.502



≤ 1350 lb.
(6 kN)



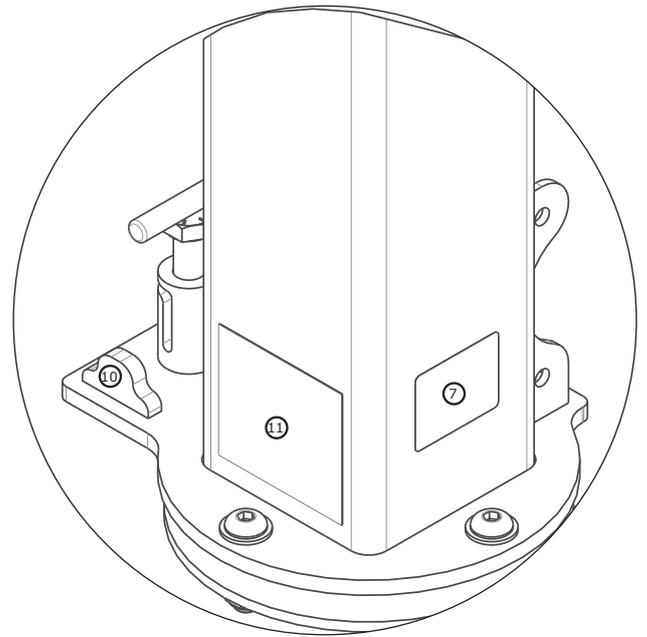
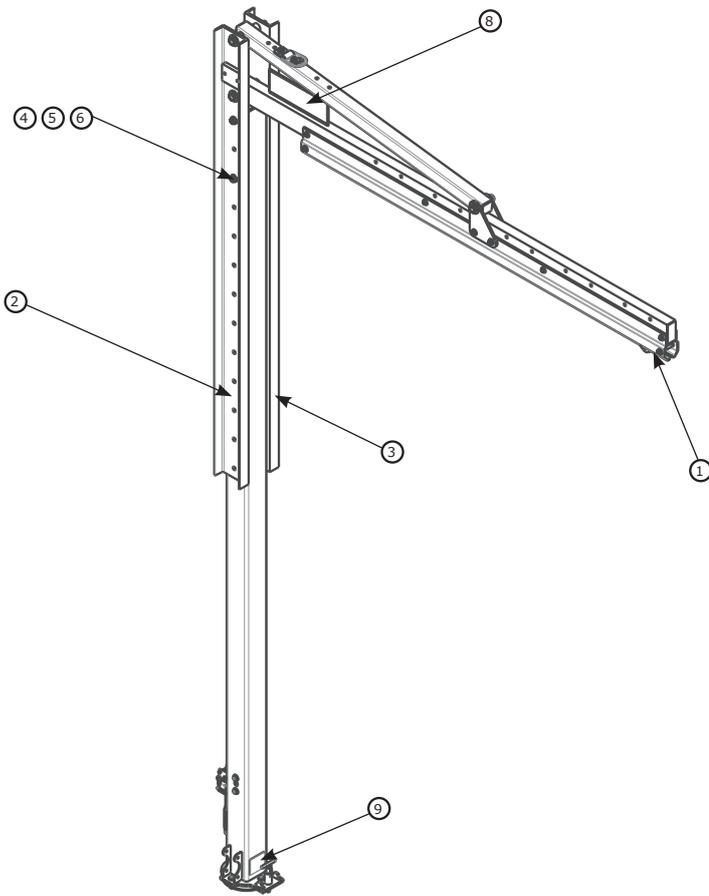
1x ≤ 310 lb.
(140 kg)



	A	B	C	lb. (kg)
8530882	15.0 ft. - 20.0 ft. (4.6 m - 6.1 m)	16.6 ft. - 21.6 ft. (5.0 m - 6.0 m)	14.70 ft. - 19.70 ft. (4.5 m - 6.0 m)	504 lb. (229 kg)
8530883	20.0 ft. - 25.0 ft. (6.1 m - 7.6 m)	21.6 ft. - 26.6 ft. (6.6 m - 8.1 m)	19.70 ft. - 24.70 ft. (6.0 m - 7.5 m)	582 lb. (264 kg)
8530884	25.0 ft. - 30.0 ft. (7.6 m - 9.1 m)	26.6 ft. - 31.6 ft. (6.6 m - 9.6 m)	24.70 ft. - 29.70 ft. (7.5 m - 9.0 m)	660 lb. (299 kg)
6" (152 mm) adjustment increments				

Modular Jib Arm Semi-Fixed Components

TECHNICAL DATA SHEET: 8530882-8530884



	Part Number	Description	Material	Quantity
①	8521711	Trolley	Stainless Steel, Steel, Nylon	1
②	8549931	Rescue Mount Channel	Steel	1
③	8550238	Channel	Steel	1
④	9509020	5/8" X 7" Bolt	Steel	2
⑤	4195226	5/8" Washer	Steel	4
⑥	9506594	5/8" Nut	Steel	2
⑦	9514429	ID Label	Polyester	1

	Part Number	Description	Material	Quantity
⑧	9515111	3M Label	Polyester	2
⑨	9515101	Rotation Label	Polyester	1
⑩	8550125	Rotation Stop	Steel	2
⑪	9515102	User Label	Polyester	1

M100 Counterweight Base

TECHNICAL DATA SHEET: 8530869, 8530870



APPLICATION:

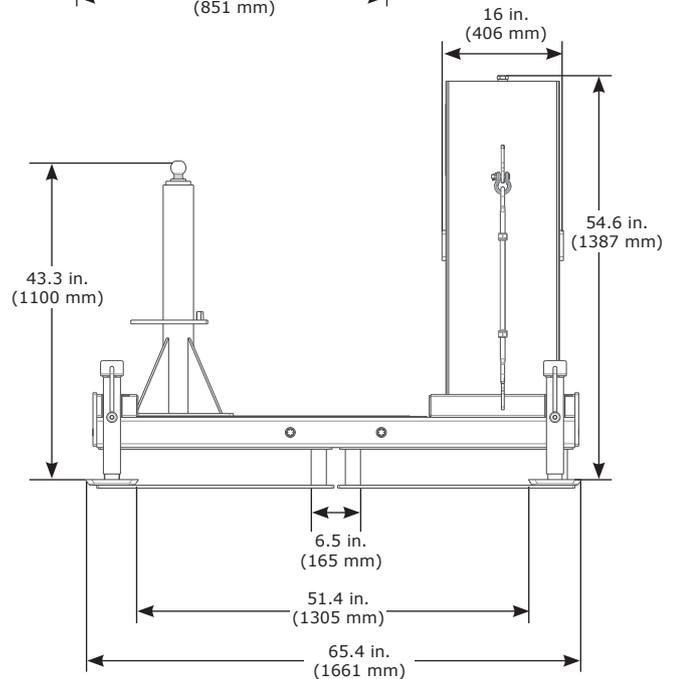
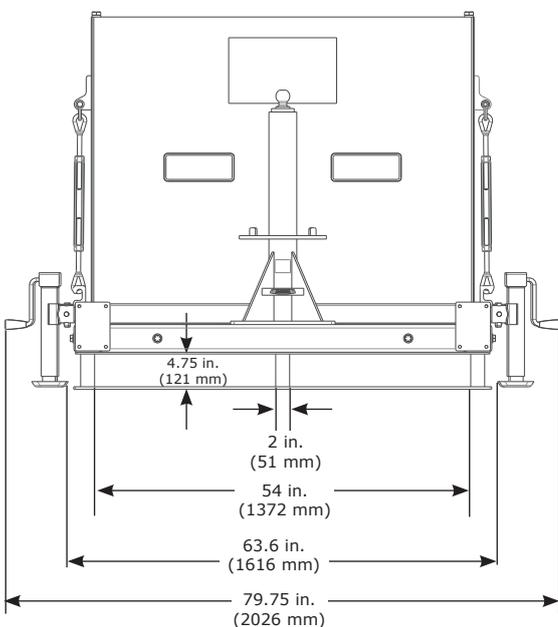
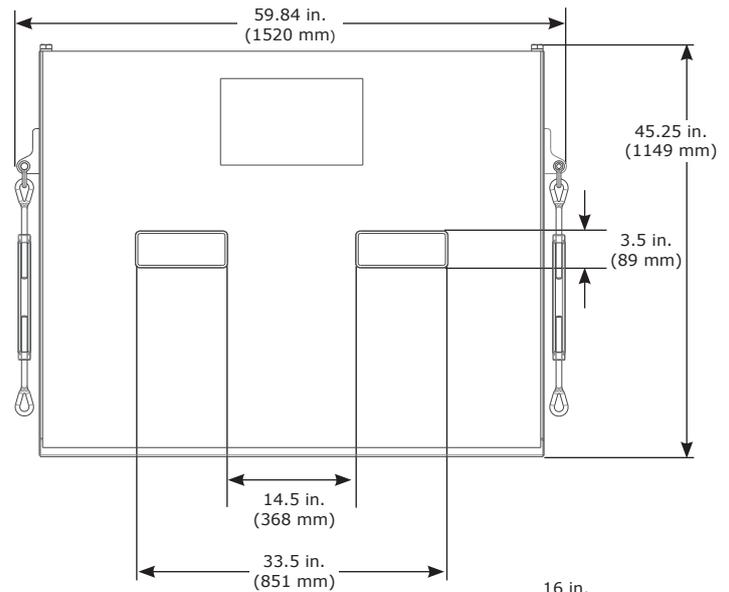
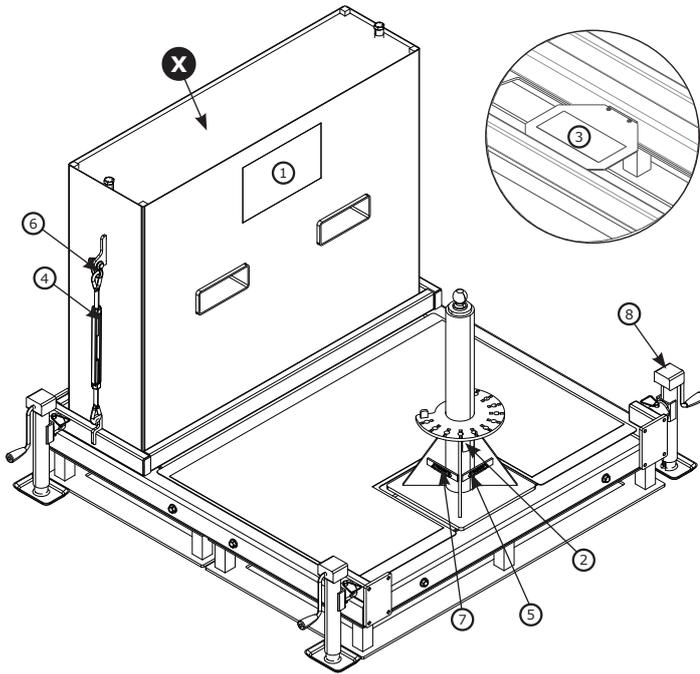
The Counterweight Base is designed to be filled with concrete and used as a mounting point for 3M™ DBI-SALA® Flexiguard™ Modular Jib System M100.

For more information on product installation, refer to the 3M instruction manual for M100 Concrete Base (5908373).

Standards: EN795:2012 Type E, OSHA 1910.140, OSHA 1926.502

	X 4,000 psi (30 MPa)	Resting Structure Requirements	Net Weight
8530869		6,895 lb. (3,128 kg) + Weight of M100 Jib Boom	1,497 lb. (679 kg)
8530870	✓		4,195 lb. (1,903 kg)

Component List				
	Part Number	Description	Material	Quantity
①	9515104	User Label	Polyester	1
②	9514429	ID Label	Polyester	1
③	9515105	Warning Label	Polyester	1
④	8520577	Turnbuckle	Steel	2
⑤	9513627	#4 Screw	Steel	4
⑥	9501794	Shackle	Steel	2
⑦	9515058	Level Bubble	Plastic	2
⑧	9510985	Jack	Steel	4

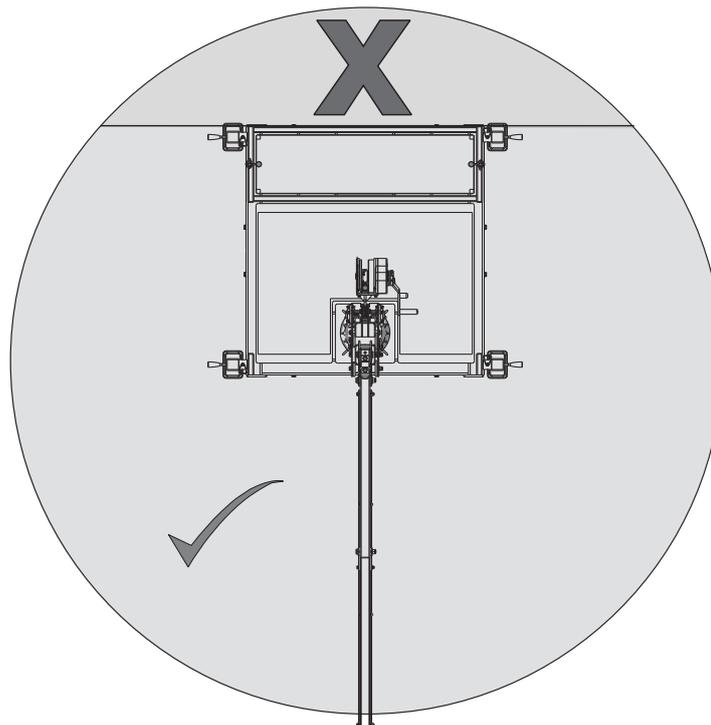
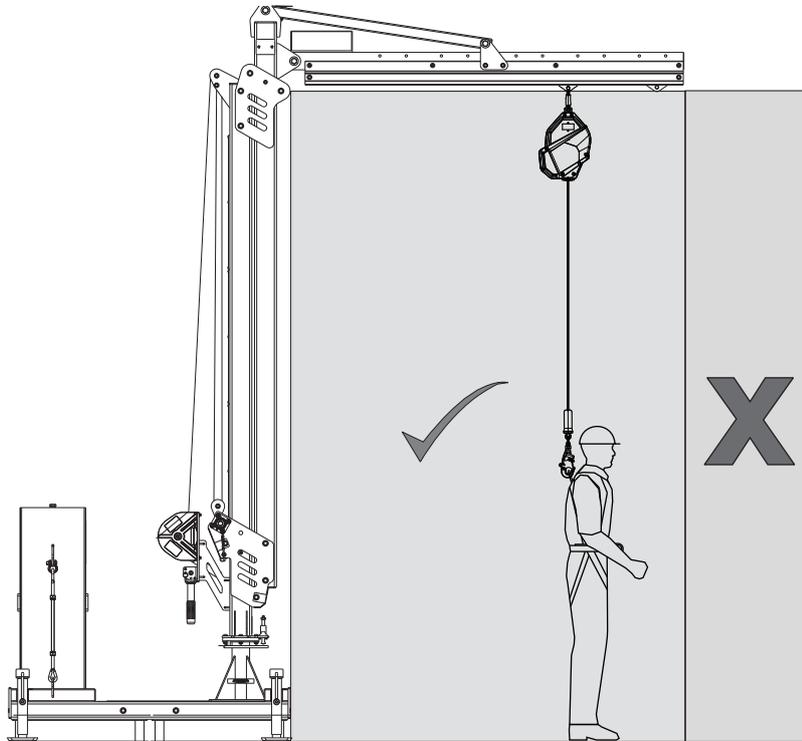


M100 Counterweight Base Working Area
TECHNICAL DATA SHEET: 8530869, 8530870



APPLICATION:

Refer to the diagram below for the working area of the M100 Concrete Base.

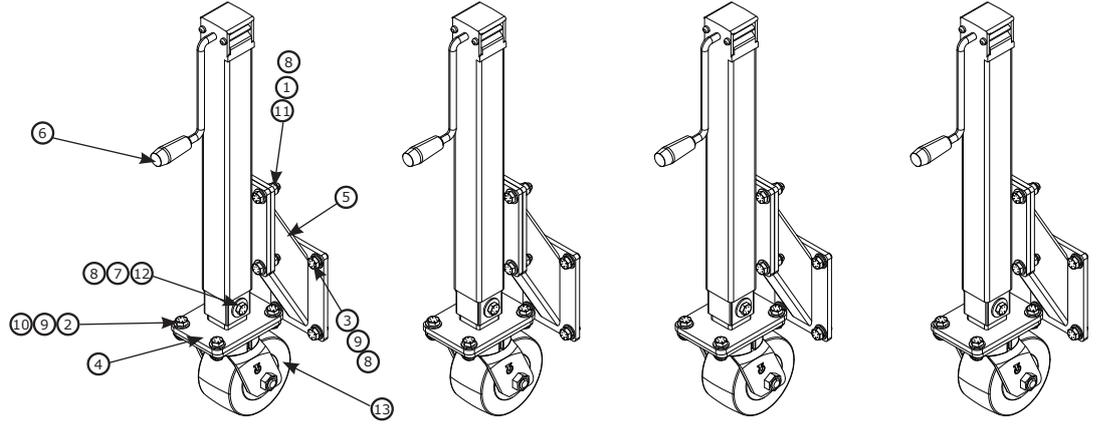


M100 Counterweight Base Accessories

TECHNICAL DATA SHEET: 8530908, 8530914

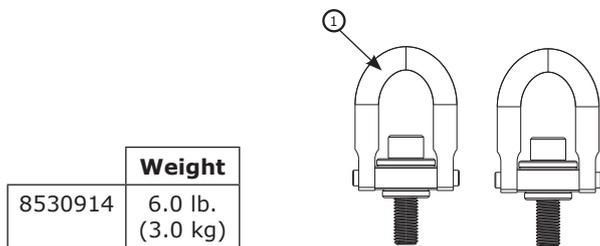
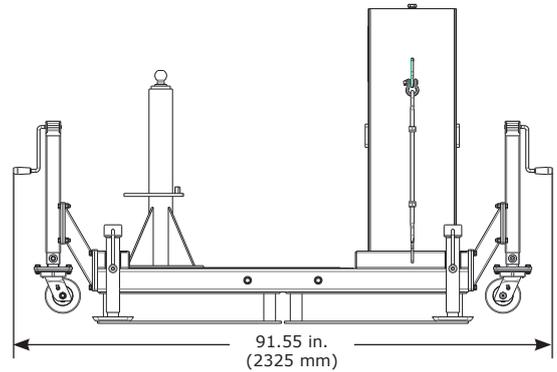


Fall Protection



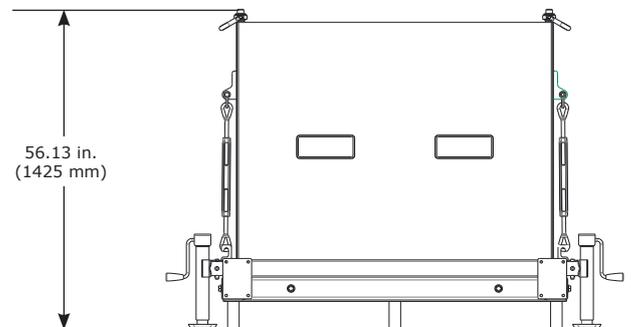
Weight	
8530908	152 lb. (69 kg)

Component List				
	Part Number	Description	Material	Quantity
①	8510037	1/2" Washer	Steel	80
②	8512460	1/2" X 1 1/4" Bolt	Steel	16
③	8518432	1/2" x 1" Bolt	Steel	16
④	8550153	Wheel Weldment	Steel	4
⑤	8550155	Angled Weldment	Steel	4
⑥	8550156	Jack	Steel	4
⑦	9501243	1/2" Washer	Steel	8
⑧	9501831	1/2" Hex Nut	Steel	20
⑨	9504221	1/2" Washer	Steel	16
⑩	9504813	1/2" Hex Nut	Steel	16
⑪	9509276	1/2" x 1 3/4" Bolt	Steel	16
⑫	9510153	1/2" x 3 1/4" Bolt	Steel	4
⑬	9515081	Caster Wheel	Steel, Urethane	4



Weight	
8530914	6.0 lb. (3.0 kg)

Component List				
	Part Number	Description	Material	Quantity
①	9512574	Lifting Ring	Steel	2



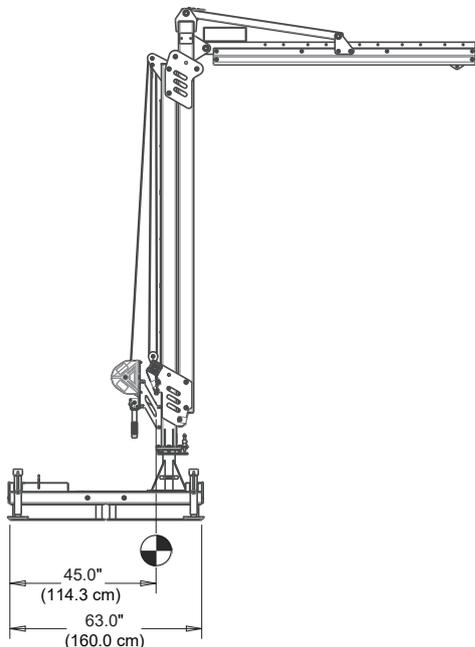
M100 Counterweight Base Center of Gravity

TECHNICAL DATA SHEET: 8530869, 8530870

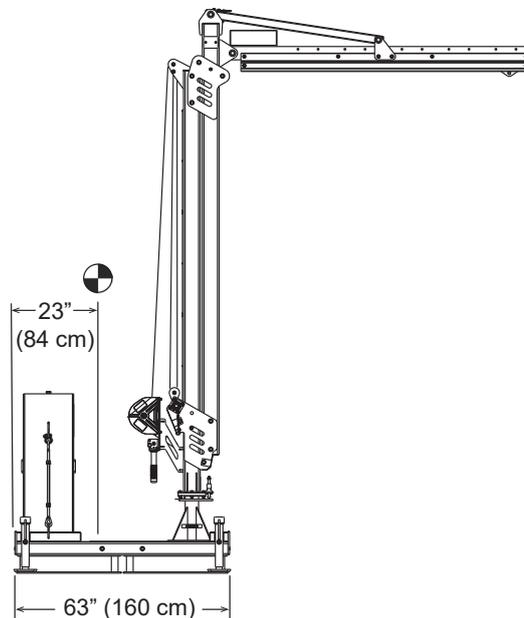


Fall Protection

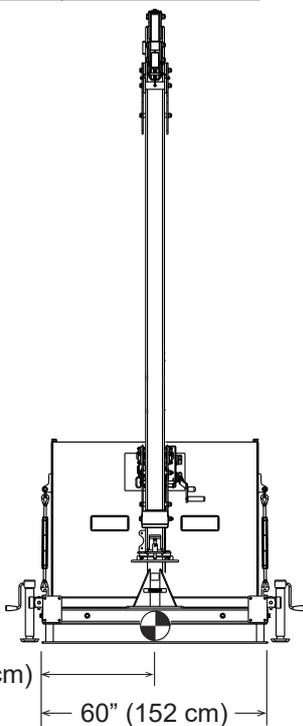
8530870	8530877
 .lb (kg)	1,905 lbs. (864 kg)



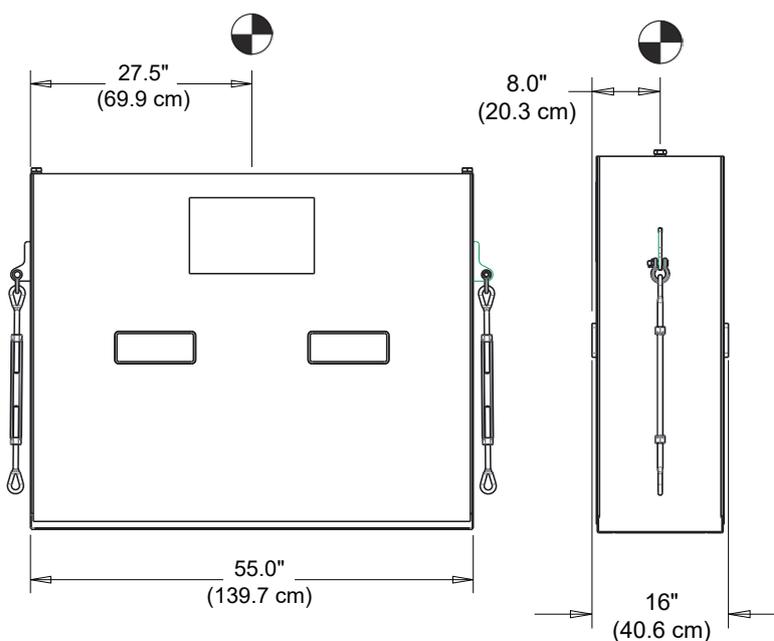
8530870	8530877
 .lb (kg)	5,000 lbs. (2,268 kg)



8530870	8530877
 .lb (kg)	5,000 lbs. (2,268 kg)



 .lb (kg)	3,095 lbs. (1,404 kg)
--	--------------------------



M100 Floor Mount Base

TECHNICAL DATA SHEET: 8530871



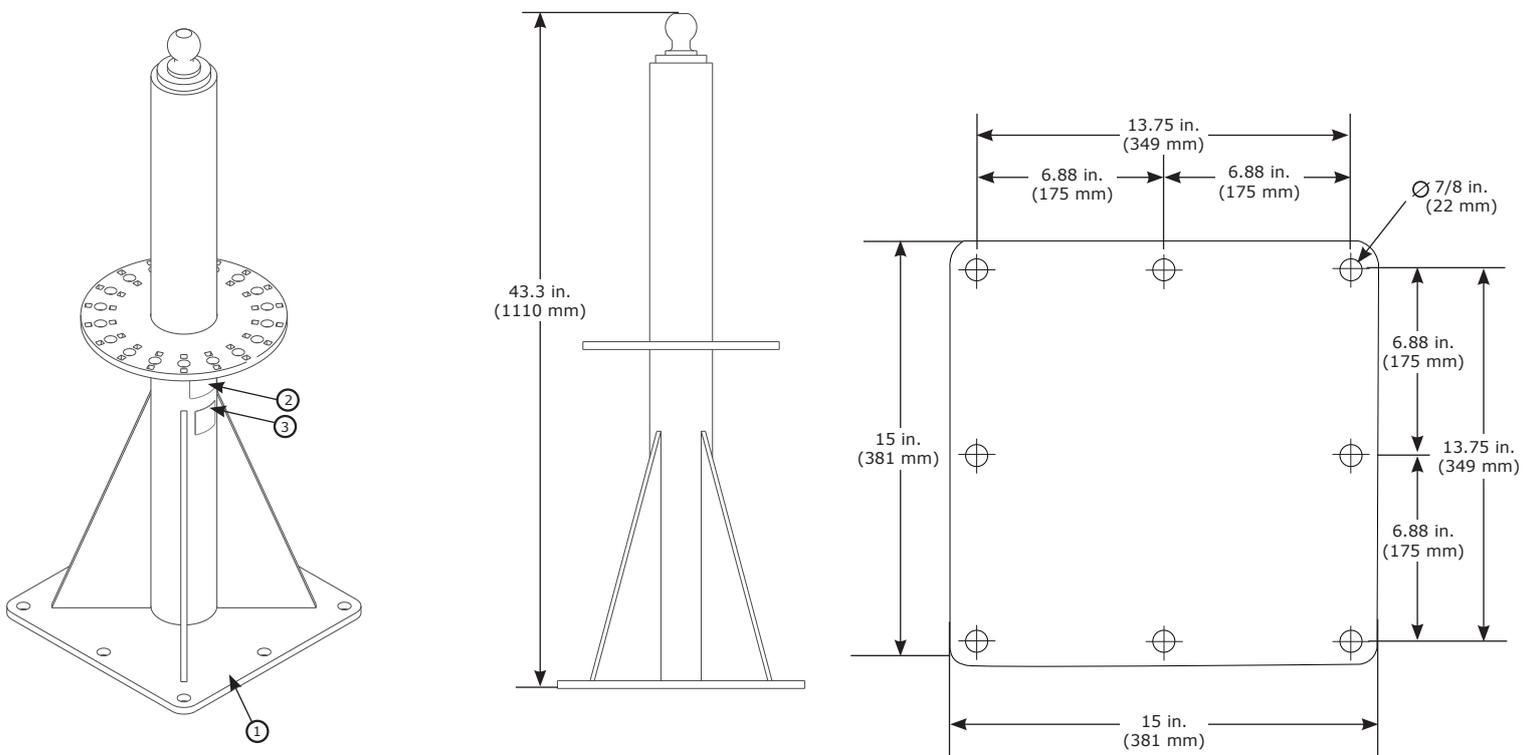
APPLICATION:

The Floor Mount Base is designed to be anchored to approved structures and used as a mounting point for the 3M approved Modular Jib System M100.

For more information on product installation, refer to the 3M instruction manual for the M100 Floor Mount Base (5908370).

Standards: EN795:2012 Type A, OSHA 1910.140, OSHA 1926.502

	Net Weight
8530871	203 lb. (92 kg)



Component List				
	Part Number	Description	Material	Quantity
①	8549923	Base Weldment	Steel	1
②	9514429	ID Label	Polyester	1
③	9515113	User Label	Polyester	1

Mounting Requirements		
Minimum Fastener Pullout Force	Mounting Structure Minimum Moment Load	Mounting Structure Minimum Vertical Load
5,744 lb. (2,606 kg)	255,474 in.-lb. (28,865 N-m)	2,700 lb. (1,225 kg) + Weight of M100 Jib Boom

M100 Flush Mount Base

TECHNICAL DATA SHEET: 8530872, 8530918, 8530919



Fall Protection

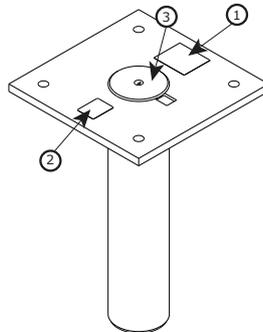
APPLICATION:

The Flush Mount Base is designed to be anchored to approved structures and used as a mounting point for the 3M approved Modular Jib System M100.

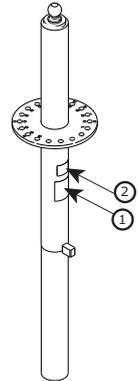
For more information on product installation, refer to the 3M instruction manual for the M100 Flush Mount Base (5908370).

Standards: EN795:2012 Type A, OSHA 1910.140, OSHA 1926.502

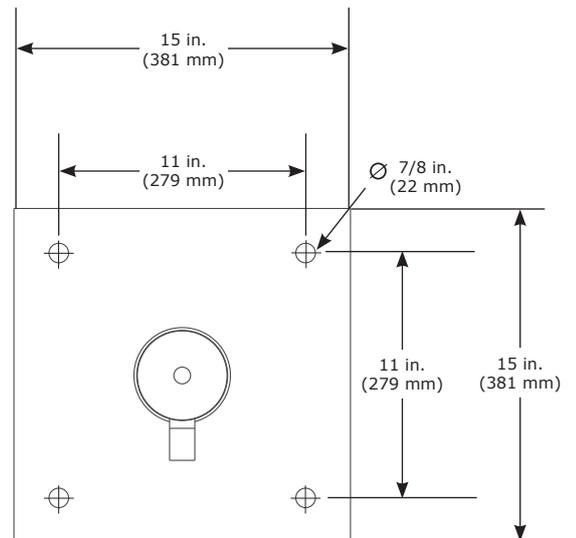
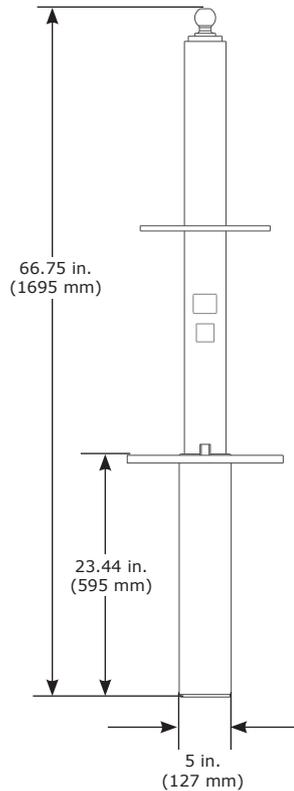
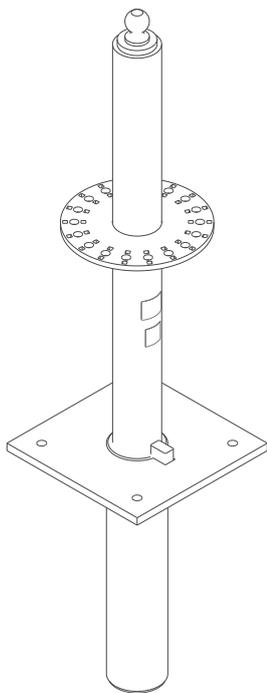
	Net Weight
8530918	91 lb. (41 kg)



	Net Weight
8530919	224 lb. (102 kg)



	Net Weight
8530872	315 lb. (143 kg)



Component List				
	Part Number	Description	Material	Quantity
①	9515113	User Label	Polyester	1
②	9514429	ID Label	Polyester	1
③	9507673	Base Cap	Stainless Steel, Rubber	1

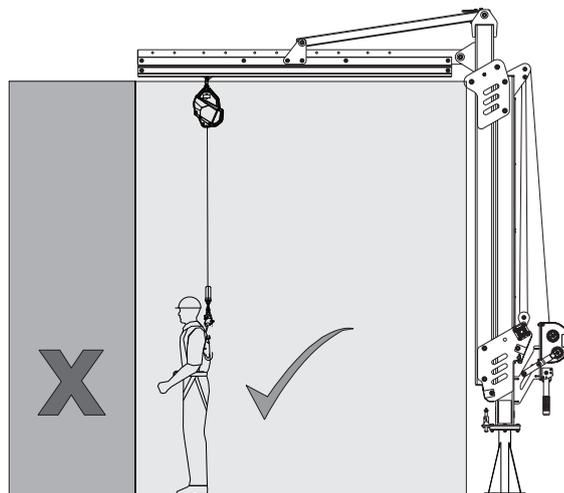
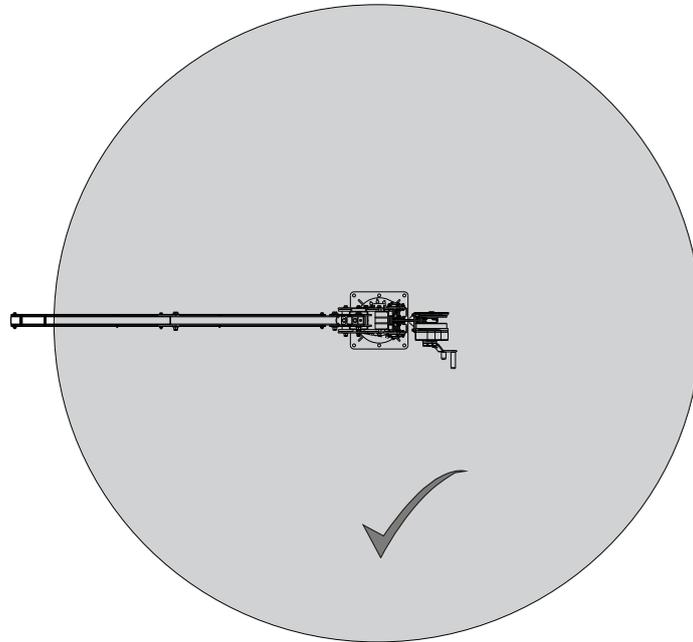
Mounting Requirements	
Mounting Structure Minimum Moment Load	Mounting Structure Minimum Vertical Load
255,474 in.-lb. (28,865 N-m)	2,700 lb. (1,225 kg) + Weight of M100 Jib Boom

M100 Floor Mount Bases Working Area
TECHNICAL DATA SHEET: 8530871, 8530872



APPLICATION:

Refer to the diagram below for the working area of the Floor Mount Bases.



M100 H-Base

TECHNICAL DATA SHEET: 8530873



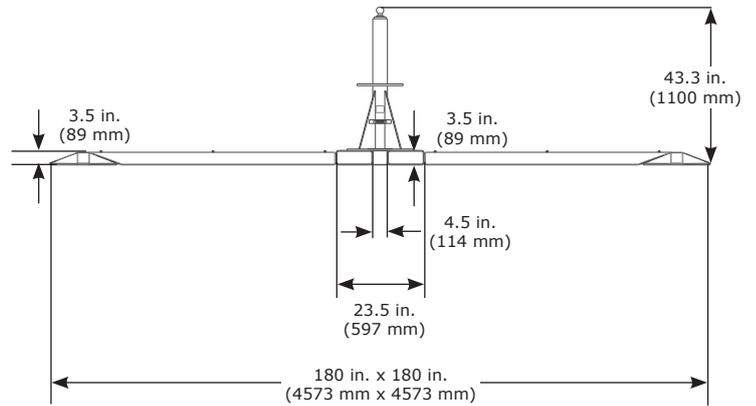
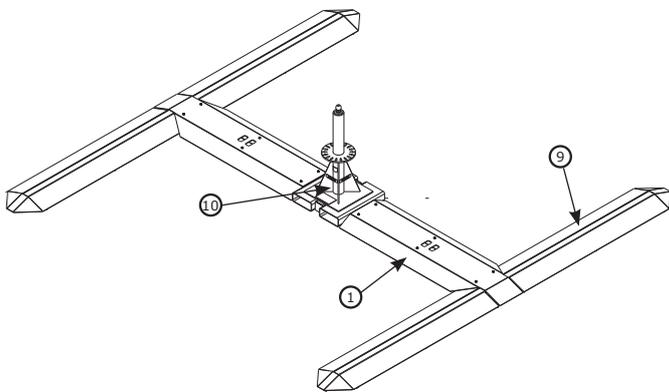
APPLICATION:

The H-Base is designed to be used as a mounting point for 3M™ DBI-SALA® Flexiguard™ Modular Jib System M100.

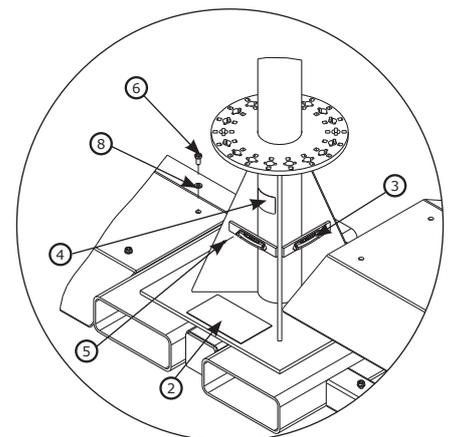
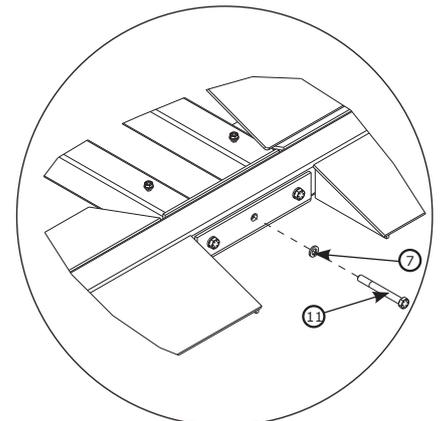
For more information on product installation, refer to the 3M instruction manual for the M100 H-Base (5908377).

Standards: EN795:2012 Type B, OSHA 1910.140, OSHA 1926.502

	Net Weight	Supporting Structure
8530873	1,335 lb. (605 kg)	4,035 lb. (1,830 kg) + weight of M100 Jib Boom



Component List				
	Part Number	Description	Material	Quantity
①	9515131	Plate Cover	Steel	2
②	9515116	Warning Label	Polyester	1
③	9515058	Level Bubble	Plastic	2
④	9514429	ID Label	Polyester	1
⑤	9513627	#4 Screw	Steel	4
⑥	9504314	3/8" x 3/4" Bolt	Steel	12
⑦	9504221	1/2" Washer	Steel	6
⑧	9501793	3/8" Washer	Steel	12
⑨	8550335	Outrigger Weldment	Steel	2
⑩	8549908	Center Weldment	Steel	1
⑪	8510034	1/2" x 4 1/2" Bolt	Steel	6

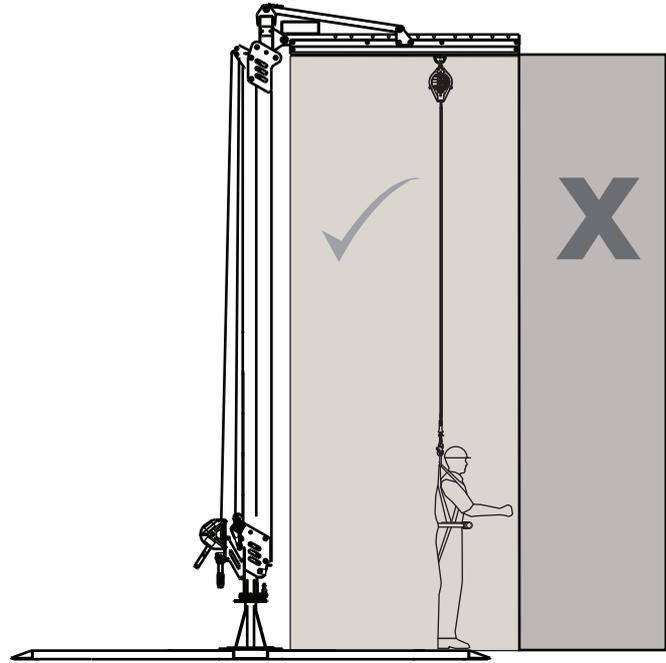
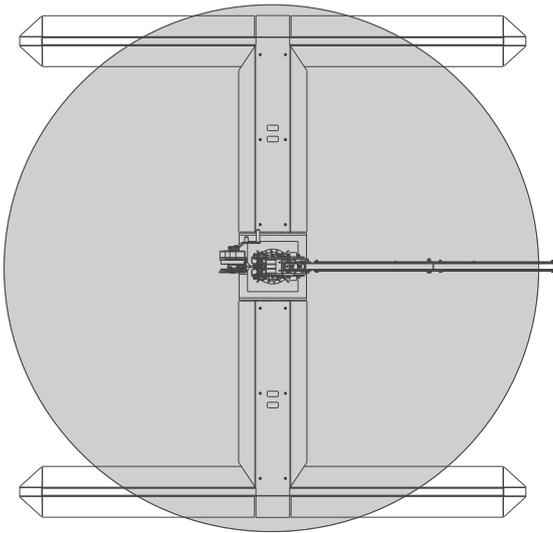


M100 H-Base Working Area
TECHNICAL DATA SHEET: 8530873



APPLICATION:

Refer to the diagram below for the working area of the M100 H-Base.



M100 Fork Pocket Kit

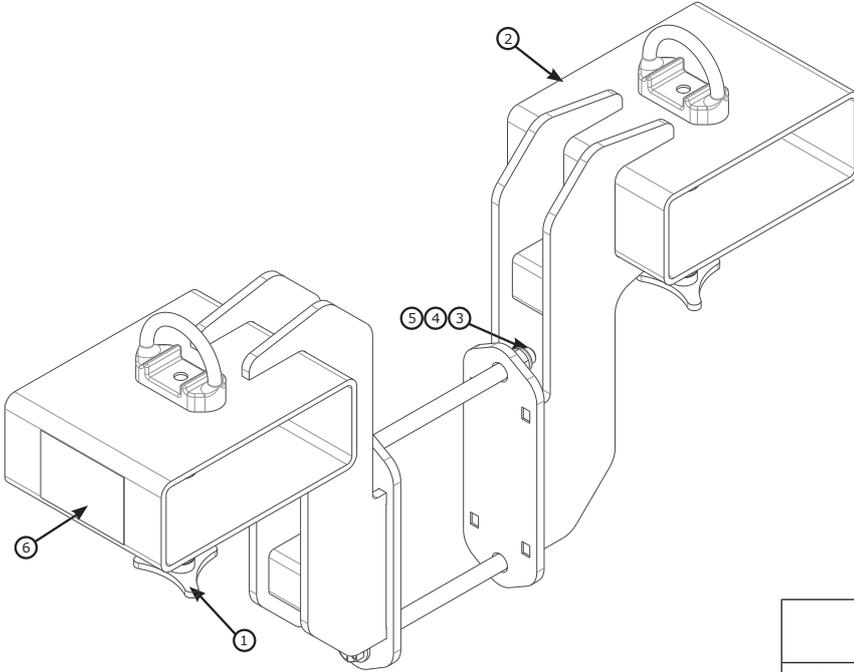
TECHNICAL DATA SHEET: 8530911



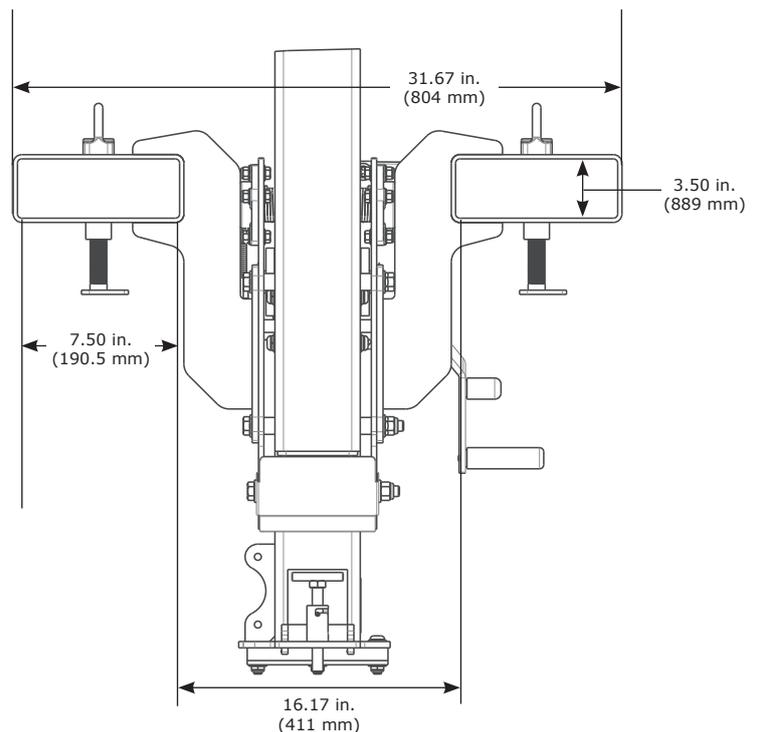
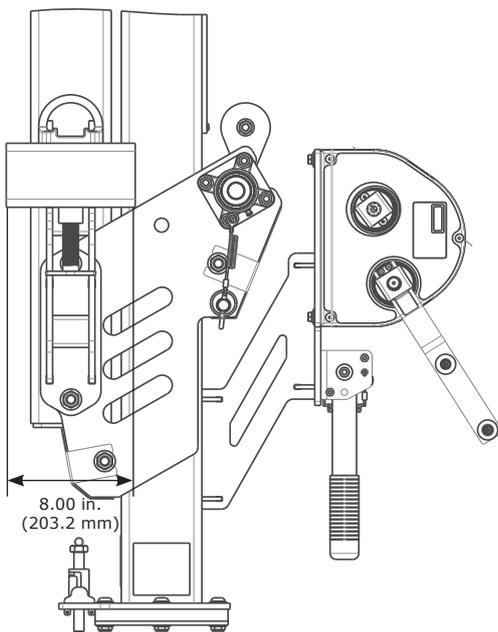
APPLICATION:

The M100 Fork Pocket Kit is designed to transport the Adjustable Jib Boom.

For more information on product installation, refer to the 3M instruction manual for the M100 Adjustable Jib Arm (5908371).



	Part Number	Component	Quantity
①	8550127	Tri-Screw	2
②	8549905	Fork Pocket Weldment	2
③	9506594	5/8" Hex Nut	2
④	8513759	5/8" Bolt	2
⑤	4195226	5/8" Washer	4
⑥	9515122	User Label	1
	9500146	Chain Link	2
	8517096	Chain	10 ft.





Fall Protection

USA
3833 SALA Way
Red Wing, MN 55066-5005

Distributed by Engineered Fall Protection
Sales@EngineeredFallProtection.com
www.EngineeredFallProtection.com
Tel: (314) 492-4422



EU DECLARATION OF CONFORMITY:
3M



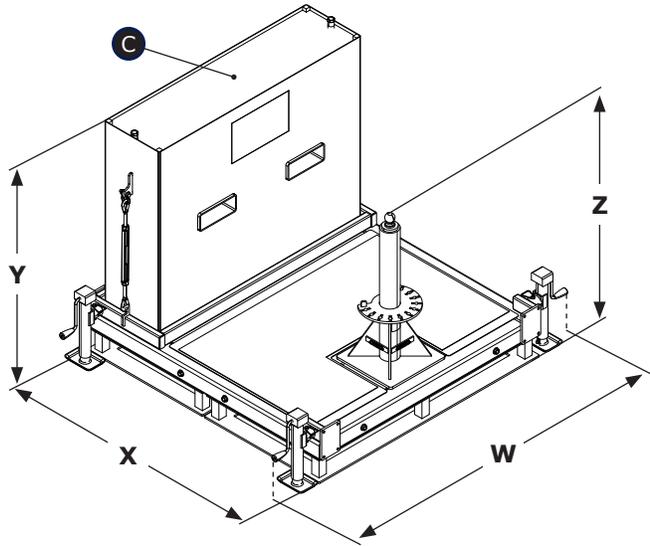
Fall Protection

CE	EN 795:2012 Type E
Regulation (EU) 2016/425	
CE Type Test No. 2797 BSI The Netherlands B.V. Say Building John M. Keynesplein 9 1066 EP Amsterdam Netherlands	CE Production Quality Control No. 2797 BSI The Netherlands B.V. Say Building John M. Keynesplein 9 1066 EP Amsterdam Netherlands
OSHA 1926.502	OSHA 1910.140

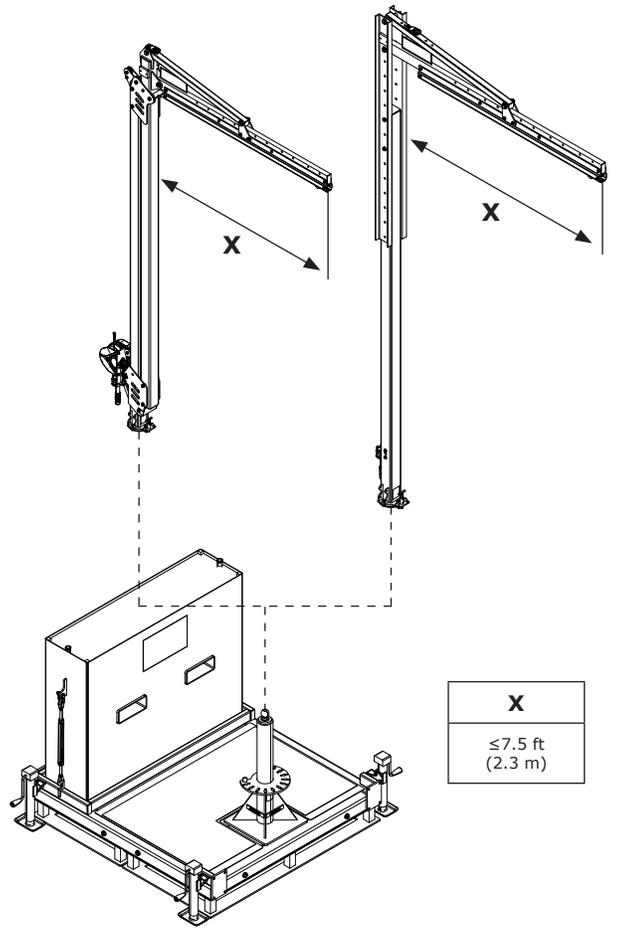
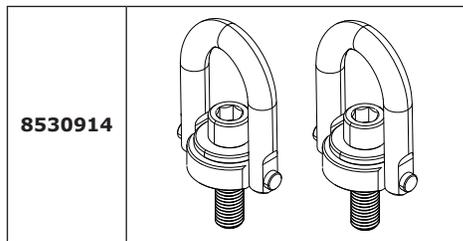
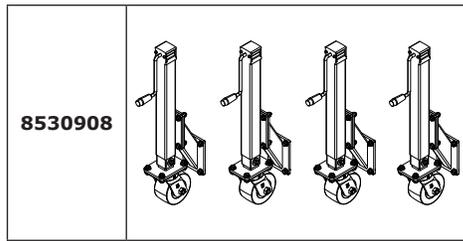
**3M™ DBI-SALA® FLEXIGUARD™
Modular Jib System M100
Counterweight Base**

**USER INSTRUCTIONS
5908373 Rev. B**

1

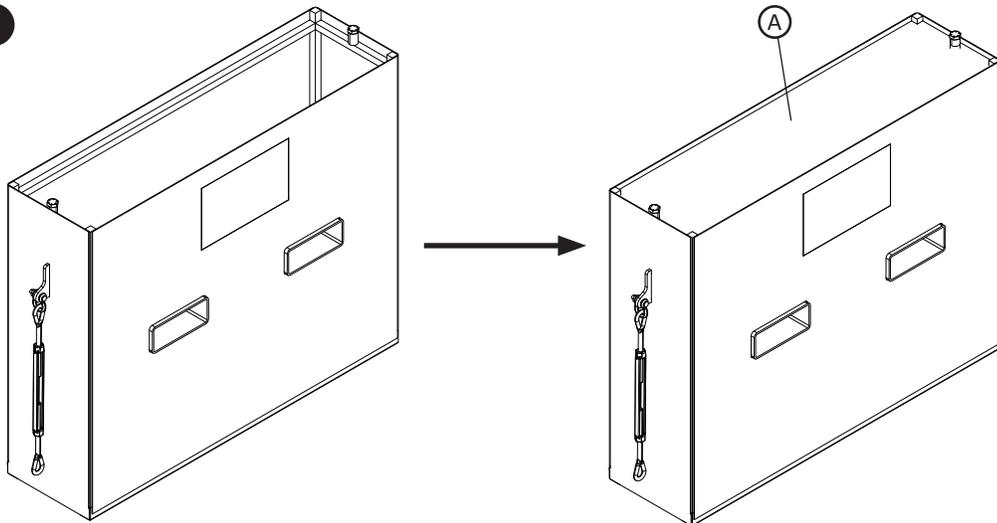


	W	X	Y	Z	C
8530869	79.25 in. (2.01 m)	64.75 in. (1.64 m)	54.6 in. (1.39 m)	43.3 in. (1.10 m)	
8530870	79.25 in. (2.01 m)	64.75 in. (1.64 m)	54.6 in. (1.39 m)	43.3 in. (1.10 m)	✓



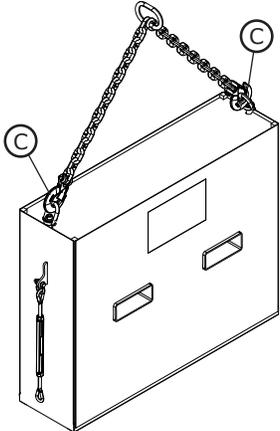
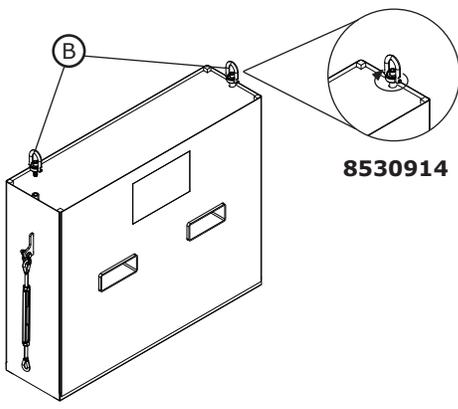
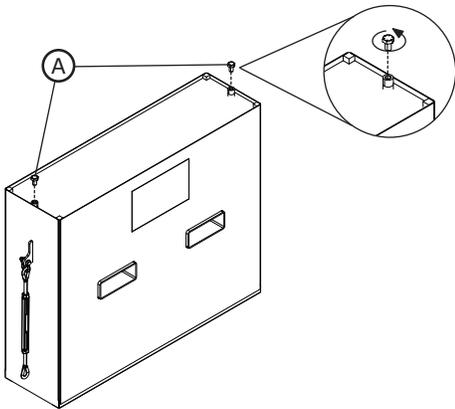
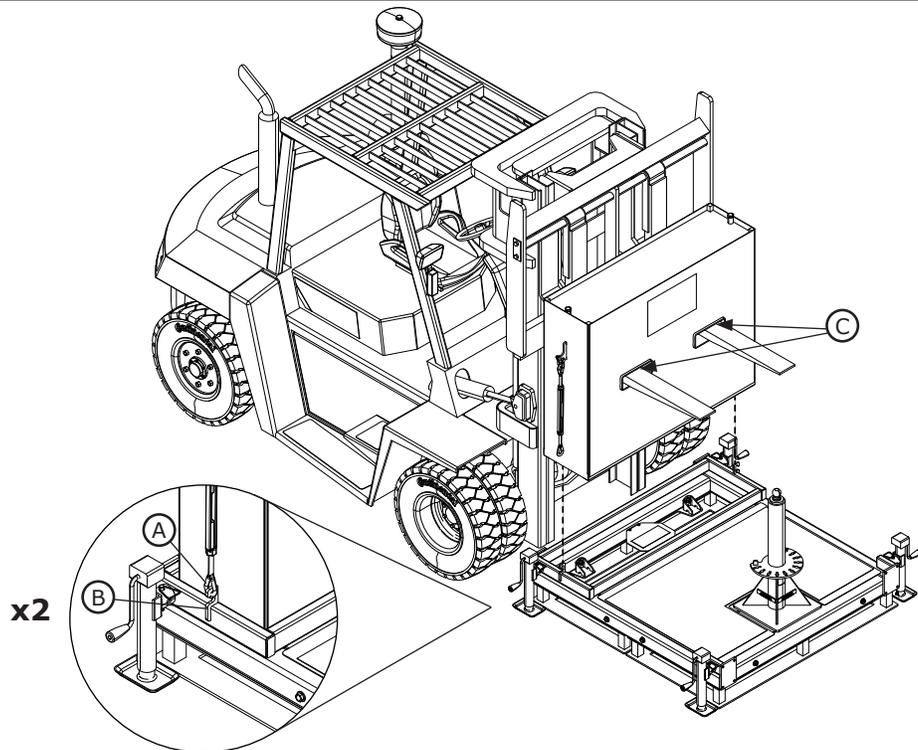
X
≤ 7.5 ft
(2.3 m)

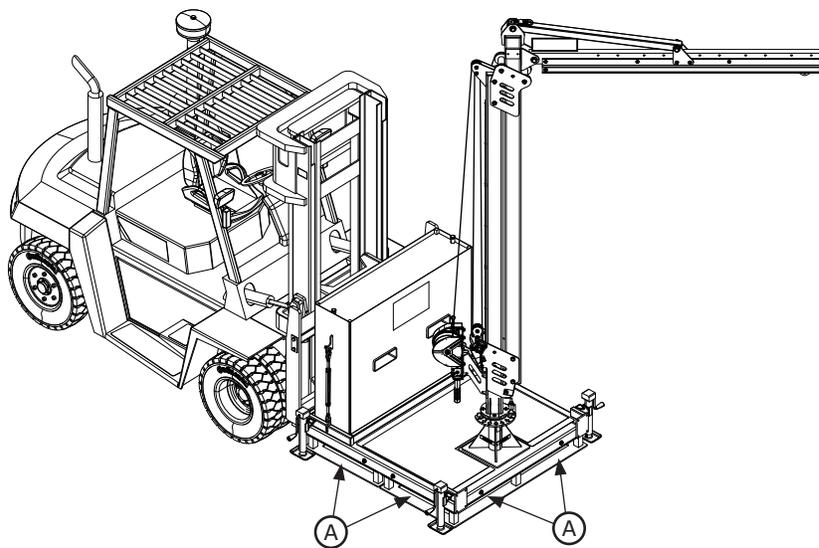
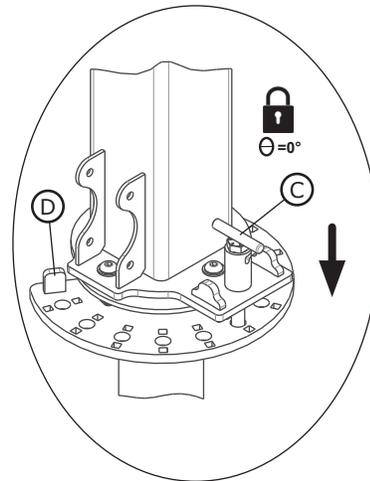
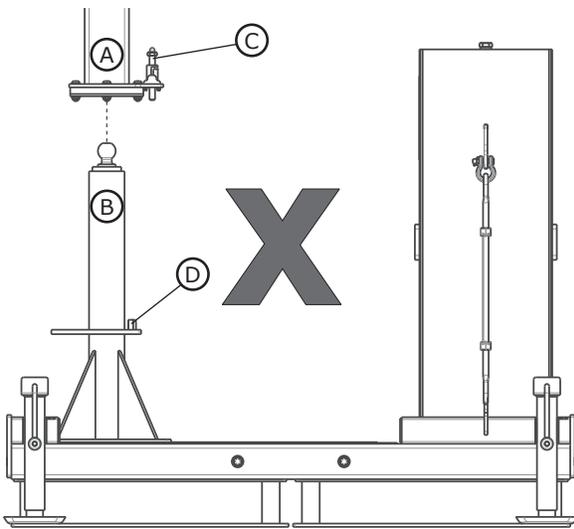
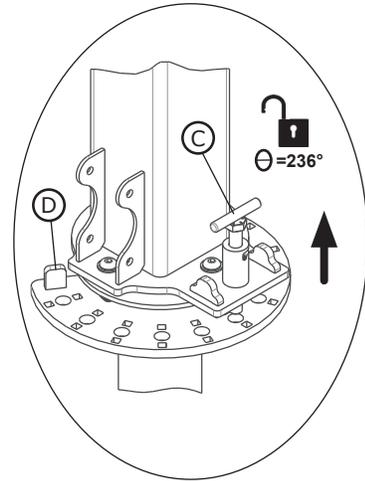
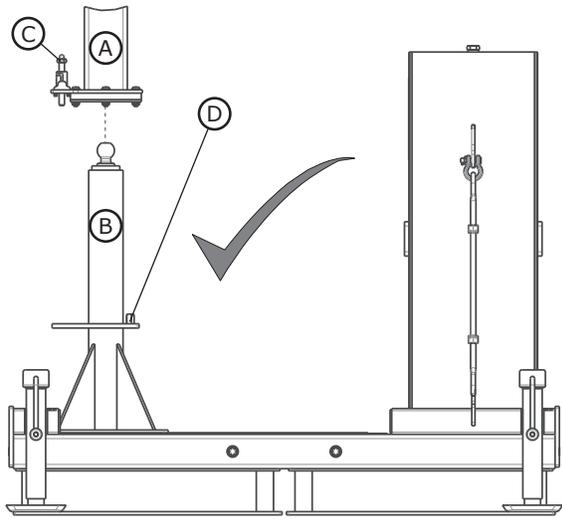
1



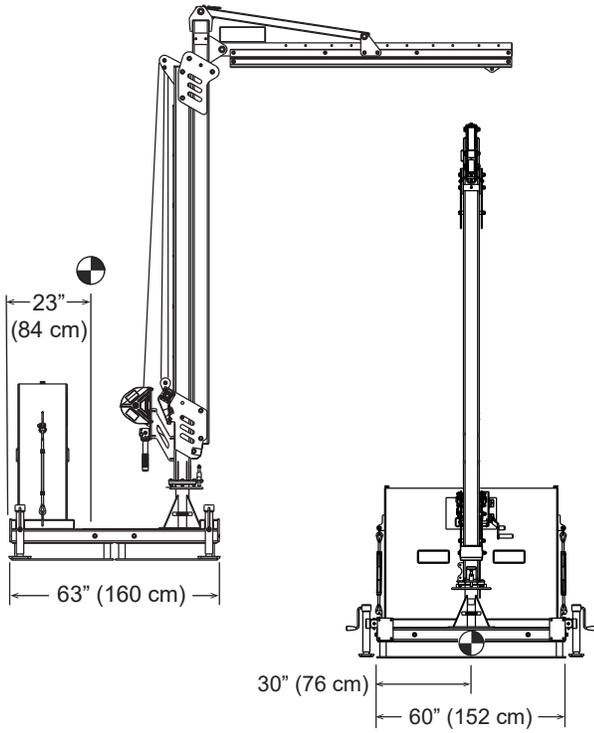
(A)
4,000 psi (30 MPa)
0.69 yd³ (0.53 m³)

2

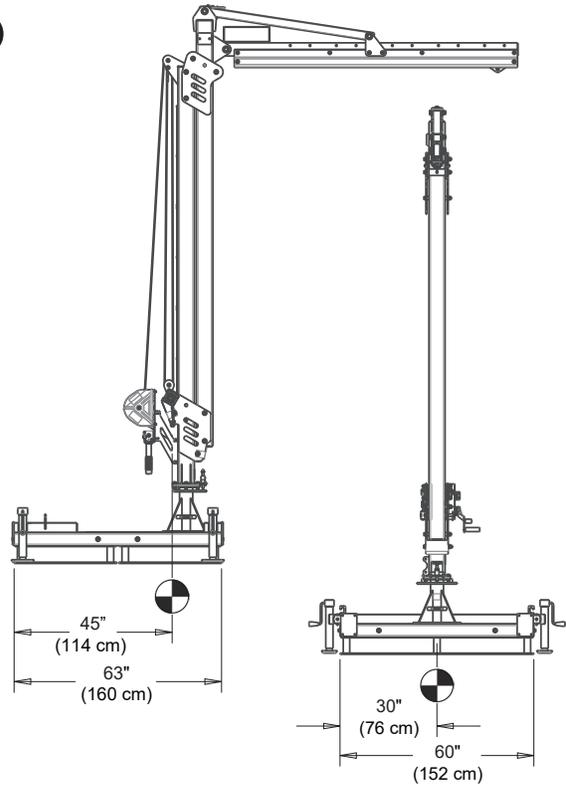




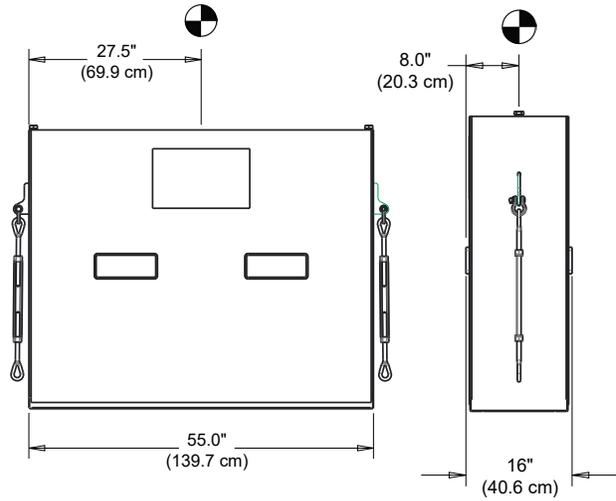
X



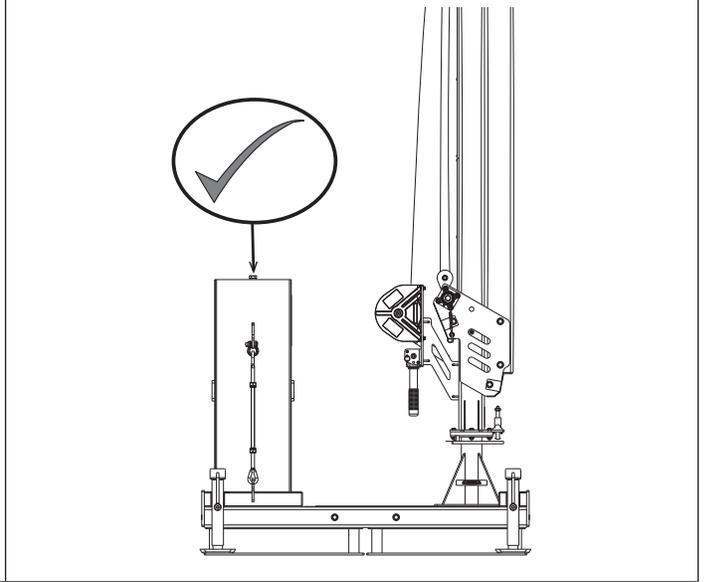
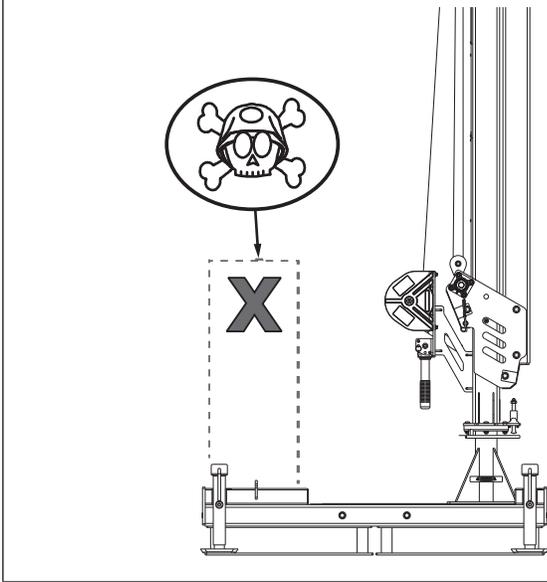
Y



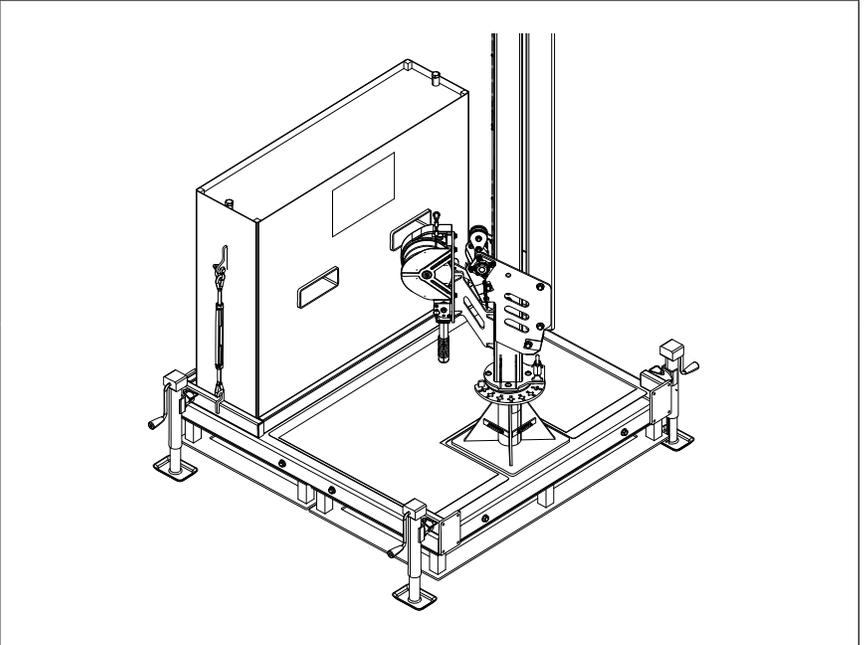
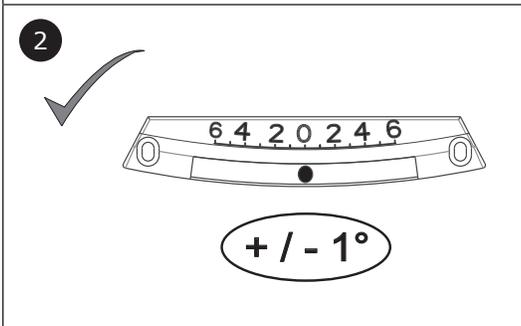
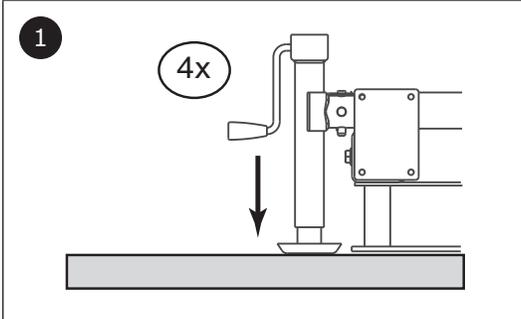
Z

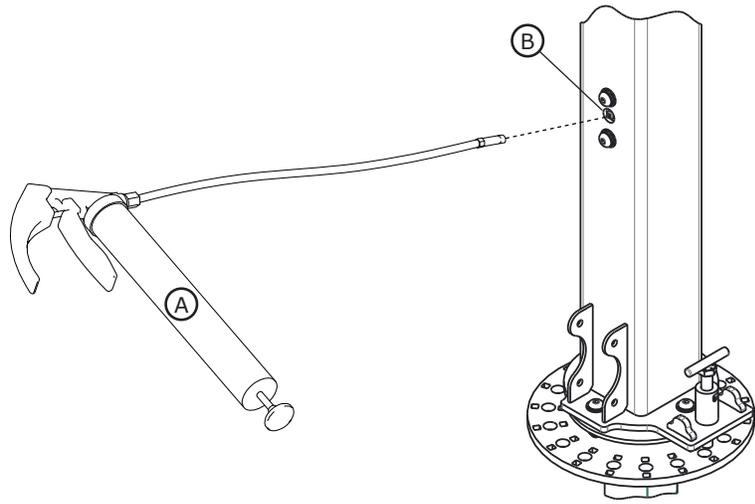
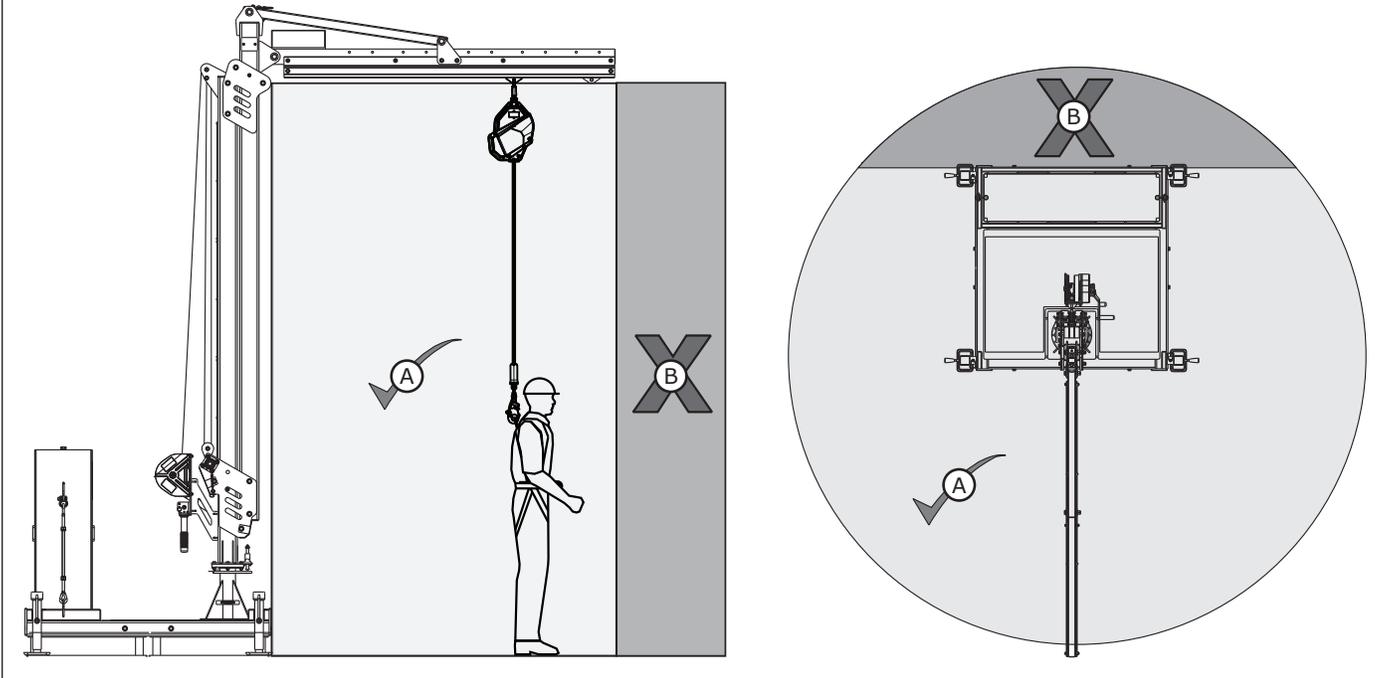


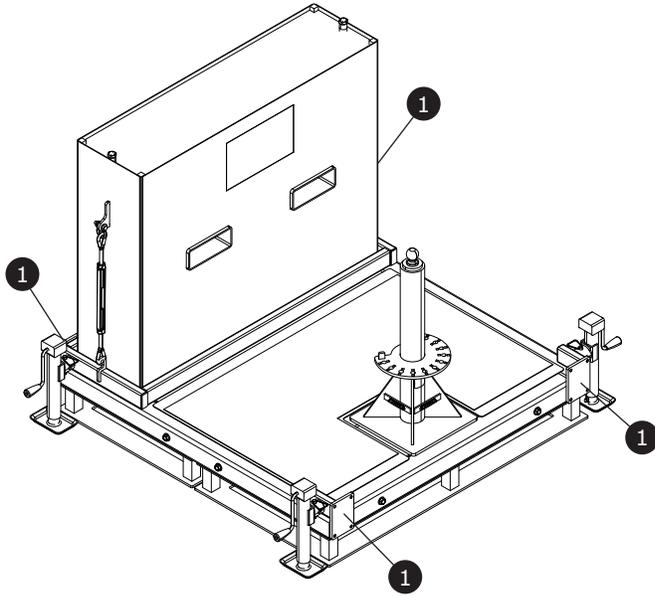
7



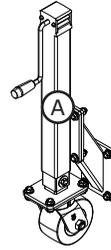
8



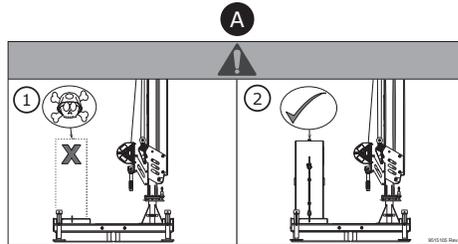
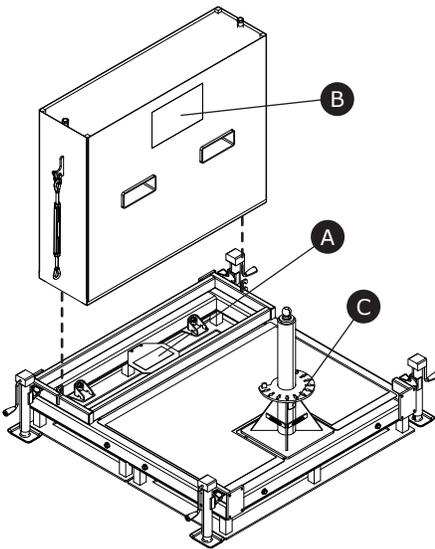
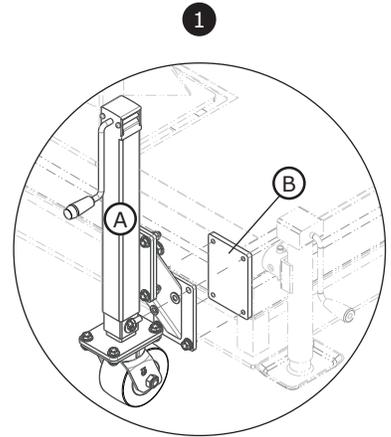




8530908



x4



3M | **DBI SALA**

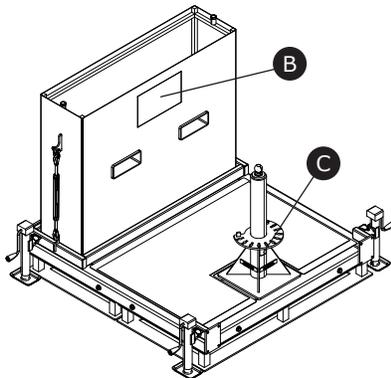
① Mfrd. (yr, mo)
Fabr. (aa, mm)

② Model No.:
N° de Modelo:

③ Serial no / N° de serie:

3M.com/FallProtection
Red Wing, MN 55066, USA

9514429 Rev. B



3M | **DBI SALA**

① **CE 2797**
EN795:2012 "TYPE E"

② **OSHA 1926.502 / 1910.140**

③ **4,000 PSI (230 MPa)**

④ **±1°**

⑤ **3,050 lbs. (1,404 kg)**

⑥ **1,100 lbs. (499 kg)**

⑦ **≤ 7.9' (2.3m)**

⑧ **≤ 805 lbs. (365 kg)**

⑨ **≤ 5,000 lbs. (2,268 kg)**

⑩ **45° (140 cm)**

⑪ **60° (152 cm)**

⑫ **90° (76 cm)**

⑬ **60° (152 cm)**

⑭ **45° (140 cm)**

⑮ **60° (152 cm)**

⑯ **90° (76 cm)**

⑰ **45° (140 cm)**

⑱ **60° (152 cm)**

⑲ **90° (76 cm)**

⑳ **45° (140 cm)**

㉑ **60° (152 cm)**

㉒ **90° (76 cm)**

㉓ **45° (140 cm)**

㉔ **60° (152 cm)**

㉕ **90° (76 cm)**

㉖ **45° (140 cm)**

㉗ **60° (152 cm)**

㉘ **90° (76 cm)**

㉙ **45° (140 cm)**

㉚ **60° (152 cm)**

㉛ **90° (76 cm)**

㉜ **45° (140 cm)**

㉝ **60° (152 cm)**

㉞ **90° (76 cm)**

㉟ **45° (140 cm)**

㊱ **60° (152 cm)**

㊲ **90° (76 cm)**

㊳ **45° (140 cm)**

㊴ **60° (152 cm)**

㊵ **90° (76 cm)**

㊶ **45° (140 cm)**

㊷ **60° (152 cm)**

㊸ **90° (76 cm)**

㊹ **45° (140 cm)**

㊺ **60° (152 cm)**

㊻ **90° (76 cm)**

㊼ **45° (140 cm)**

㊽ **60° (152 cm)**

㊾ **90° (76 cm)**

㊿ **45° (140 cm)**

1 **60° (152 cm)**

2 **90° (76 cm)**

3 **45° (140 cm)**

4 **60° (152 cm)**

5 **90° (76 cm)**

6 **45° (140 cm)**

7 **60° (152 cm)**

8 **90° (76 cm)**

9 **45° (140 cm)**

10 **60° (152 cm)**

11 **90° (76 cm)**

12 **45° (140 cm)**

13 **60° (152 cm)**

14 **90° (76 cm)**

15 **45° (140 cm)**

16 **60° (152 cm)**

17 **90° (76 cm)**

18 **45° (140 cm)**

19 **60° (152 cm)**

20 **90° (76 cm)**

21 **45° (140 cm)**

22 **60° (152 cm)**

23 **90° (76 cm)**

24 **45° (140 cm)**

25 **60° (152 cm)**

26 **90° (76 cm)**

27 **45° (140 cm)**

28 **60° (152 cm)**

29 **90° (76 cm)**

30 **45° (140 cm)**

31 **60° (152 cm)**

32 **90° (76 cm)**

33 **45° (140 cm)**

34 **60° (152 cm)**

35 **90° (76 cm)**

36 **45° (140 cm)**

37 **60° (152 cm)**

38 **90° (76 cm)**

39 **45° (140 cm)**

40 **60° (152 cm)**

41 **90° (76 cm)**

42 **45° (140 cm)**

43 **60° (152 cm)**

44 **90° (76 cm)**

45 **45° (140 cm)**

46 **60° (152 cm)**

47 **90° (76 cm)**

48 **45° (140 cm)**

49 **60° (152 cm)**

50 **90° (76 cm)**

51 **45° (140 cm)**

52 **60° (152 cm)**

53 **90° (76 cm)**

54 **45° (140 cm)**

55 **60° (152 cm)**

56 **90° (76 cm)**

57 **45° (140 cm)**

58 **60° (152 cm)**

59 **90° (76 cm)**

60 **45° (140 cm)**

61 **60° (152 cm)**

62 **90° (76 cm)**

63 **45° (140 cm)**

64 **60° (152 cm)**

65 **90° (76 cm)**

66 **45° (140 cm)**

67 **60° (152 cm)**

68 **90° (76 cm)**

69 **45° (140 cm)**

70 **60° (152 cm)**

71 **90° (76 cm)**

72 **45° (140 cm)**

73 **60° (152 cm)**

74 **90° (76 cm)**

75 **45° (140 cm)**

76 **60° (152 cm)**

77 **90° (76 cm)**

78 **45° (140 cm)**

79 **60° (152 cm)**

80 **90° (76 cm)**

81 **45° (140 cm)**

82 **60° (152 cm)**

83 **90° (76 cm)**

84 **45° (140 cm)**

85 **60° (152 cm)**

86 **90° (76 cm)**

87 **45° (140 cm)**

88 **60° (152 cm)**

89 **90° (76 cm)**

90 **45° (140 cm)**

91 **60° (152 cm)**

92 **90° (76 cm)**

93 **45° (140 cm)**

94 **60° (152 cm)**

95 **90° (76 cm)**

96 **45° (140 cm)**

97 **60° (152 cm)**

98 **90° (76 cm)**

99 **45° (140 cm)**

100 **60° (152 cm)**

101 **90° (76 cm)**

102 **45° (140 cm)**

103 **60° (152 cm)**

104 **90° (76 cm)**

105 **45° (140 cm)**

106 **60° (152 cm)**

107 **90° (76 cm)**

108 **45° (140 cm)**

109 **60° (152 cm)**

110 **90° (76 cm)**

111 **45° (140 cm)**

112 **60° (152 cm)**

113 **90° (76 cm)**

114 **45° (140 cm)**

115 **60° (152 cm)**

116 **90° (76 cm)**

117 **45° (140 cm)**

118 **60° (152 cm)**

119 **90° (76 cm)**

120 **45° (140 cm)**

121 **60° (152 cm)**

122 **90° (76 cm)**

123 **45° (140 cm)**

124 **60° (152 cm)**

125 **90° (76 cm)**

126 **45° (140 cm)**

127 **60° (152 cm)**

128 **90° (76 cm)**

129 **45° (140 cm)**

130 **60° (152 cm)**

131 **90° (76 cm)**

132 **45° (140 cm)**

133 **60° (152 cm)**

134 **90° (76 cm)**

135 **45° (140 cm)**

136 **60° (152 cm)**

137 **90° (76 cm)**

138 **45° (140 cm)**

139 **60° (152 cm)**

140 **90° (76 cm)**

141 **45° (140 cm)**

142 **60° (152 cm)**

143 **90° (76 cm)**

144 **45° (140 cm)**

145 **60° (152 cm)**

146 **90° (76 cm)**

147 **45° (140 cm)**

148 **60° (152 cm)**

149 **90° (76 cm)**

150 **45° (140 cm)**

151 **60° (152 cm)**

152 **90° (76 cm)**

153 **45° (140 cm)**

154 **60° (152 cm)**

155 **90° (76 cm)**

156 **45° (140 cm)**

157 **60° (152 cm)**

158 **90° (76 cm)**

159 **45° (140 cm)**

160 **60° (152 cm)**

161 **90° (76 cm)**

162 **45° (140 cm)**

163 **60° (152 cm)**

164 **90° (76 cm)**

165 **45° (140 cm)**

166 **60° (152 cm)**

167 **90° (76 cm)**

168 **45° (140 cm)**

169 **60° (152 cm)**

170 **90° (76 cm)**

171 **45° (140 cm)**

172 **60° (152 cm)**

173 **90° (76 cm)**

174 **45° (140 cm)**

175 **60° (152 cm)**

176 **90° (76 cm)**

177 **45° (140 cm)**

178 **60° (152 cm)**

179 **90° (76 cm)**

180 **45° (140 cm)**

181 **60° (152 cm)**

182 **90° (76 cm)**

183 **45° (140 cm)**

184 **60° (152 cm)**

185 **90° (76 cm)**

186 **45° (140 cm)**

187 **60° (152 cm)**

188 **90° (76 cm)**

189 **45° (140 cm)**

190 **60° (152 cm)**

191 **90° (76 cm)**

192 **45° (140 cm)**

193 **60° (152 cm)**

194 **90° (76 cm)**

195 **45° (140 cm)**

196 **60° (152 cm)**

197 **90° (76 cm)**

198 **45° (140 cm)**

199 **60° (152 cm)**

200 **90° (76 cm)**

201 **45° (140 cm)**

202 **60° (152 cm)**

203 **90° (76 cm)**

204 **45° (140 cm)**

205 **60° (152 cm)**

206 **90° (76 cm)**

207 **45° (140 cm)**

208 **60° (152 cm)**

209 **90° (76 cm)**

210 **45° (140 cm)**

211 **60° (152 cm)**

212 **90° (76 cm)**

213 **45° (140 cm)**

214 **60° (152 cm)**

215 **90° (76 cm)**

216 **45° (140 cm)**

217 **60° (152 cm)**

218 **90° (76 cm)**

219 **45° (140 cm)**

220 **60° (152 cm)**

221 **90° (76 cm)**

222 **45° (140 cm)**

223 **60° (152 cm)**

224 **90° (76 cm)**

225 **45° (140 cm)**

226 **60° (152 cm)**

227 **90° (76 cm)**

228 **45° (140 cm)**

229 **60° (152 cm)**

230 **90° (76 cm)**

231 **45° (140 cm)**

232 **60° (152 cm)**

233 **90° (76 cm)**

234 **45° (140 cm)**

235 **60° (152 cm)**

236 **90° (76 cm)**

237 **45° (140 cm)**

238 **60° (152 cm)**

239 **90° (76 cm)**

240 **45° (140 cm)**

241 **60° (152 cm)**

242 **90° (76 cm)**

243 **45° (140 cm)**

244 **60° (152 cm)**

245 **90° (76 cm)**

246 **45° (140 cm)**

247 **60° (152 cm)**

248 **90° (76 cm)**

249 **45° (140 cm)**

250 **60° (152 cm)**

251 **90° (76 cm)**

252 **45° (140 cm)**

253 **60° (152 cm)**

254 **90° (76 cm)**

255 **45° (140 cm)**

256 **60° (152 cm)**

257 **90° (76 cm)**

258 **45° (140 cm)**

259 **60° (152 cm)**

260 **90° (76 cm)**

261 **45° (140 cm)**

262 **60° (152 cm)**

263 **90° (76 cm)**

264 **45° (140 cm)**

265 **60° (152 cm)**

266 **90° (76 cm)**

267 **45° (140 cm)**

268 **60° (152 cm)**

269 **90° (76 cm)**

270 **45° (140 cm)**

271 **60° (152 cm)**

272 **90° (76 cm)**

273 **45° (140 cm)**

274 **60° (152 cm)**

275 **90° (76 cm)**

276 **45° (140 cm)**

277 **60° (152 cm)**

278 **90° (76 cm)**

279 **45° (140 cm)**

280 **60° (152 cm)**

281 **90° (76 cm)**

282 **45° (140 cm)**

283 **60° (152 cm)**

284 **90° (76 cm)**

285 **45° (140 cm)**

286 **60° (152 cm)**

287 **90° (76 cm)**

288 **45° (140 cm)**

289 **60° (152 cm)**

290 **90° (76 cm)**

291 **45° (140 cm)**

292 **60° (152 cm)**

293 **90° (76 cm)**

294 **45° (140 cm)**

295 **60° (152 cm)**

296 **90° (76 cm)**

297 **45° (140 cm)**

298 **60° (152 cm)**

299 **90° (76 cm)**

300 **45° (140 cm)**

301 **60° (152 cm)**

302 **90° (76 cm)**

303 **45° (140 cm)**

304 **60° (152 cm)**

305 **90° (76 cm)**

306 **45° (140 cm)**

307 **60° (152 cm)**

308 **90° (76 cm)**

309 **45° (140 cm)**

310 **60° (152 cm)**

311 **90° (76 cm)**

312 **45° (140 cm)**

313 **60° (152 cm)**

314 **90° (76 cm)**

315 **45° (140 cm)**

316 **60° (152 cm)**

317 **90° (76 cm)**

318 **45° (140 cm)**

319 **60° (152 cm)**

320 **90° (76 cm)**

321 **45° (140 cm)**

322 **60° (152 cm)**

323 **90° (76 cm)**

324 **45° (140 cm)**

325 **60° (152 cm)**

326 **90° (76 cm)**

327 **45° (140 cm)**

328 **60° (152 cm)**

329 **90° (76 cm)**

330 **45° (140 cm)**

331 **60° (152 cm)**

332 **90° (76 cm)**

333 **45° (140 cm)**

334 **60° (152 cm)**

335 **90° (76 cm)**

336 **45° (140 cm)**

337 **60° (152 cm)**

338 **90° (76 cm)**

339 **45° (140 cm)**

340 **60° (152 cm)**

341 **90° (76 cm)**

342 **45° (140 cm)**

343 **60° (152 cm)**

344 **90° (76 cm)**

345 **45° (140 cm)**

346 **60° (152 cm)**

347 **90° (76 cm)**

348 **45° (140 cm)**

349 **60° (152 cm)**

350 **90° (76 cm)**

351 **45° (140 cm)**

352 **60° (152 cm)**

353 **90° (76 cm)**

354 **45° (140 cm)**

355 **60° (152 cm)**

356 **90° (76 cm)**

357 **45° (140 cm)**

358 **60° (152 cm)**

359 **90° (76 cm)**

360 **45° (140 cm)**

361 **60° (152 cm)**

362 **90° (76 cm)**

363 **45° (140 cm)**

364 **60° (152 cm)**

365 **90° (76 cm)**

366 **45° (140 cm)**

367 **60° (152 cm)**

368 **90° (76 cm)**

369 **45° (140 cm)**

370 **60° (152 cm)**

371 **90° (76 cm)**

372 **45° (140 cm)**

373 **60° (152 cm)**

374 **90° (76 cm)**

375 **45° (140 cm)**

376 **60° (152 cm)**

377 **90° (76 cm)**

378 **45° (140 cm)**

379 **60° (152 cm)**

380 **90° (76 cm)**

381 **45° (140 cm)**

382 **60° (152 cm)**

383 **90° (76 cm)**

384 **45° (140 cm)**

385 **60° (152 cm)**

386 **90° (76 cm)**

387 **45° (140 cm)**

388 **60° (152 cm)**

389 **90° (76 cm)**

390 **45° (140 cm)**

391 **60° (152 cm)**

392 **90° (76 cm)**

393 **45° (140 cm)**

394 **60° (152 cm)**

395 **90° (76 cm)**

396 **45° (140 cm)**

397 **60° (152 cm)**

398 **90° (76 cm)**

399 **45° (140 cm)**

400 **60° (152 cm)**

401 **90° (76 cm)**

402 **45° (140 cm)**

403 **60° (152 cm)**

404 **90° (76 cm)**

405 **45° (140 cm)**

406 **60° (152 cm)**

407 **90° (76 cm)**

408 **45° (140 cm)**

409 **60° (152 cm)**

410 **90° (76 cm)**

411 **45° (140 cm)**

412 **60° (152 cm)**

413 **90° (76 cm)**

414 **45° (140 cm)**

415 **60° (152 cm)**

416 **90° (76 cm)**

417 **45° (140 cm)**

418 **60° (152 cm)**

419 **90° (76 cm)**

420 **45° (140 cm)**

421 **60° (152 cm)**

422 **90° (76 cm)**

423 **45° (140 cm)**

424 **60° (152 cm)**

425 **90° (76 cm)**

426 **45° (140 cm)**

427 **60° (152 cm)**

428 **90° (76 cm)**

429 **45° (140 cm)**

430 **60° (152 cm)**

431 **90° (76 cm)**

432 **45° (140 cm)**

433 **60° (152 cm)**

434 **90° (76 cm)**

435 **45° (140 cm)**

436 **60° (152 cm)**

437 **90° (76 cm)**

438 **45° (140 cm)**

439 **60° (152 cm)**

440 **90° (76 cm)**

441 **45° (140 cm)**

442 **60° (152 cm)**

443 **90° (76 cm)**

444 **45° (140 cm)**

445 **60° (152 cm)**

446 **90° (76 cm)**

447 **45° (140 cm)**

448 **60° (152 cm)**

449 **90° (76 cm)**

450 **45° (140 cm)**

451 **60° (152 cm)**

452 **90° (76 cm)**

453 **45° (140 cm)**

454 **60° (152 cm)**

455 **90° (76 cm)**

456 **45° (140 cm)**

457 **60° (152 cm)**

458 **90° (76 cm)**

459 **45° (140 cm)**

460 **60° (152 cm)**

461 **90° (76 cm)**

462 **45° (140 cm)**

463 **60° (152 cm)**

464 **90° (76 cm)**

465 **45° (140 cm)**

466 **60° (152 cm)**

467 **90° (76 cm)**

468 **45° (140 cm)**

469 **60° (152 cm)**

470 **90° (76 cm)**

471 **45° (140 cm)**

472 **60° (152 cm)**

473 **90° (76 cm)**

474 **45° (140 cm)**

475 **60° (152 cm)**

476 **90° (76 cm)**

477 **45° (140 cm)**

478 **60° (152 cm)**

479 **90° (76 cm)**

480 **45° (140 cm)**

481 **60° (152 cm)**

482 **90° (76 cm)**

483 **45° (140 cm)**

484 **60° (152 cm)**

485 **90° (76 cm)**

486 **45° (140 cm)**

487 **60° (152 cm)**

SAFETY INFORMATION

Please read, understand, and follow all safety information contained in these instructions prior to the use of this Flexiguard System. **FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.**

These instructions must be provided to the user of this equipment. Retain these instructions for future reference.

Intended Use:

This Flexiguard System is intended for use as part of a complete fall protection or rescue system.

Use in any other application including, but not limited to, material handling, recreational or sports related activities, or other activities not described in the User Instructions, is not approved by 3M and could result in serious injury or death.

This system is only to be used by trained users in workplace applications.

WARNING

This Flexiguard System is part of a personal fall protection or rescue system. It is expected that all users be fully trained in the safe installation and operation of the complete system. **Misuse of this system could result in serious injury or death.** For proper selection, operation, installation, maintenance, and service, refer to all Product Instructions and all manufacturer recommendations, see your supervisor, or contact 3M Technical Service.

- **To reduce the risks associated with transporting a Flexiguard system which, if not avoided, could result in serious injury or death:**
 - Ensure the system is properly secured or configured prior to transport. Refer to the User Instructions for detailed transportation requirements.
 - Only transport below 5 mph (8 km/h) and at inclines of 10° or less, or as outlined in the User Instructions.
 - Ensure the system will not contact overhead objects or electrical hazards while transporting or in use.
- **To reduce the risks associated with working with a Flexiguard system which, if not avoided, could result in serious injury or death:**
 - Inspect all components of the system before each use, at least annually, and after any fall event, in accordance with the User Instructions.
 - If inspection reveals an unsafe or defective condition, remove the system from service and repair or replace according to the User Instructions.
 - Any system that has been subject to fall arrest or impact force must be immediately removed from service. Refer to the User Instructions or contact 3M Fall Protection.
 - The substrate or structure on which the system is attached/positioned must be able to sustain the static loads specified for the system in the orientations permitted in the User Instructions or Installation Instructions.
 - Do not exceed the number of allowable users as per the User Instructions.
 - Never attach to a system until it is fully assembled, positioned, adjusted, and installed. Do not adjust the system while a user is attached.
 - Never work outside the safe work area as defined by the User Instructions.
 - Do not connect to the system while it is being transported or installed.
 - Always maintain 100% tie-off when transferring between anchor points on the system.
 - Use caution when installing, using, and moving the system as moving parts may create potential pinch points.
 - Ensure proper lockout/tagout procedures have been followed when applicable.
 - Only connect fall protection subsystems to the designated anchorage connection point on the system.
 - When drilling holes for assembly or installation of the system, ensure no electric lines, gas lines, or other critical materials or equipment will be contacted by the drill.
 - Ensure that fall protection systems/subsystems assembled from components made by different manufacturers are compatible and meet the requirements of applicable standards, including the ANSI Z359 or other applicable fall protection codes, standards, or requirements. Always consult a Competent or Qualified Person before using these systems.
- **To reduce the risks associated with working at heights which, if not avoided, could result in serious injury or death:**
 - Ensure your health and physical condition allow you to safely withstand all of the forces associated with working at height. Consult with your doctor if you have any questions regarding your ability to use this equipment.
 - Never exceed allowable capacity of your fall protection equipment.
 - Never exceed maximum free fall distance of your fall protection equipment.
 - Do not use any fall protection equipment that fails pre-use or other scheduled inspections, or if you have concerns about the use or suitability of the equipment for your application. Contact 3M Technical Services with any questions.
 - Some subsystem and component combinations may interfere with the operation of this equipment. Only use compatible connections. Consult 3M prior to using this equipment in combination with components or subsystems other than those described in the User Instructions.
 - Use extra precautions when working around moving machinery (e.g. top drive of oil rigs) electrical hazards, extreme temperatures, chemical hazards, explosive or toxic gases, sharp edges, or below overhead materials that could fall onto you or the fall protection equipment.
 - Use Arc Flash or Hot Works devices when working in high heat environments.
 - Avoid surfaces and objects that can damage the user or equipment.
 - Ensure there is adequate fall clearance when working at height.
 - Never modify or alter your fall protection equipment. Only 3M or parties authorized in by 3M may make repairs to the equipment.
 - Prior to use of fall protection equipment, ensure a rescue plan is in place which allows for prompt rescue if a fall incident occurs.
 - If a fall incident occurs, immediately seek medical attention for the fallen worker.
 - Do not use a body belt for fall arrest applications. Use only a Full Body Harness.
 - Minimize swing falls by working as directly below the anchorage point as possible.
 - If training with this device, a secondary fall protection system must be utilized in a manner that does not expose the trainee to an unintended fall hazard.
 - Always wear appropriate personal protective equipment when installing, using, or inspecting the device/system.

Before using this equipment, record the product identification information from the ID label into the inspection and maintenance log of this manual.

The Counterweight Base can only be used with the 3M Modular Jib System M100 manufactured by 3M. Do not attempt to use the Counterweight Base without first consulting the User Instructions for the 3M Modular Jib System M100 (5908371).

Table 1 – Specifications

System Specifications:	
Compatibility:	The Counterweight Bases covered in this instruction are compatible with 3M™ DBI-SALA® Flexiguard™ Modular Jib System M100.
Standards:	Designed and tested to EN795:2012 (Type E), OSHA 1926.502, and OSHA 1910.140.
Capacity:	See 3M™ DBI-SALA® Flexiguard™ Modular Jib System M100 instruction 5908371.
Maximum Arresting Force:	All connecting subsystems (SRDs, Energy Absorbing Lanyards, etc.) used with the Counterweight Base must limit the Maximum Arresting Force to 1,350 lbf (6 kN).
Weight:	Counterweight Box (filled): 3,095 lb. (1,404 kg) Total Base Weight (filled): 4,195 lb. (1,903 kg)
Component Specifications:	
Component	Material
General Construction	Welded Steel
Structural Material	A36 Steel
Base Finish	Powdercoat, Galvanized
8530908 Wheel Kit (sold separately)	Powdercoated Steel, Zinc Plated Urethane Wheels Weight: 152 lb. (69 kg)
8530914 Lifting Kit (sold separately)	Nickel Plated Steel, Locking Compound Weight: 6.0 lb. (3.0 kg)
Resting Structure Requirements:	
	Structure must be able to support a minimum of 6,895 lb. (3,128 kg) plus the weight of the M100 Jib Boom.

1.0 APPLICATION

- 1.1 PURPOSE:** The Counterweight Base is designed for use as part of a Fall Arrest system.
- 1.2 DESCRIPTION:** The Counterweight Base (Figure 1) is designed to be filled with concrete and used as a mounting point for 3M™ DBI-SALA® Flexiguard™ Modular Jib System M100.
- 1.3 STANDARDS:** The Counterweight Base conforms to the national or regional standard(s) identified on the front cover of these instructions. If this product is resold outside the original country of destination, the re-seller must provide these instructions in the language of the country in which the product will be used.
- 1.4 SUPERVISION:** Installation of this equipment must be supervised by a Qualified Person¹. Use of this equipment must be supervised by a Competent Person².
- 1.5 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 national, regional, or local standards. 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.
- 1.6 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 persons³, and rescuers⁴. 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.
- 1.7 AFTER A FALL:** If the system is subjected to fall arrest or impact force, remove the system from service immediately. Clearly tag the system "DO NOT USE". See Section 4 for more information.

2.0 INSTALLATION:

- 2.1 PLANNING:** Plan your Fall Protection system prior to installation of the Counterweight Base. 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.

1 Qualified Person: A person with a recognized degree, certificate or professional standing, or who by extensive knowledge, training and experience has successfully demonstrated his ability to solve or resolve problems relating to Fall Protection systems to the extent required by OSHA or other applicable federal, state, and local regulations.

2 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.

3 Authorized Person: A person assigned by the employer to perform duties at a location where the person will be exposed to a fall hazard.

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

- 2.2 PREPARING THE JIB BASE (8530869):** Counterweight Base model 8530870 ships already filled. Counterweight Base model 8530869, however, will need to be prepared before use. See Figure 2 for reference. To prepare the Jib Base:
1. Fill the Counterweight Box with 0.69 yd³ (0.53 m³) of concrete (A) with a rating of 4,000 psi (30 MPa) to the top of the box. No more than 0.75 in. (19 mm) of unfilled box is allowed. Once filled, allow time for the concrete to cure.
 2. Attach the filled Counterweight Box to the Counterweight Base. Use the Fork Pockets (C) on the Counterweight Box to set it in place on the Base. Attach both Turnbuckles (A) to the Tie-Down Rings (B) located on the Base and tension the Turnbuckle until the Counterweight Box is fastened tight to the Base.

- 2.3 INSTALLING THE LIFTING KIT (8530914):** The Counterweight Base Lifting Kit (sold separately) may be used to transport the Counterweight Box instead of using the Fork Pockets located on the Box. See Figure 3 for reference. To install the Lifting Kit:

Do not use the 8530914 Lifting Rings to transport the Counterweight Base after the Counterweight Box has been tied down to the Base. The Lifting Rings are only for transportation of the Counterweight Box by itself.

1. Remove the two Bolts (A) from the top of the Counterweight Box.
 2. Fasten the two Lifting Rings (B) into the tapped holes of the Counterweight Box, torquing each Lifting Ring to 100 ft-lb. (136 N-m).
 3. Attach the Connectors (C) of a chain or web strap to the Lifting Rings to lift the Counterweight Box.
- 2.4 INSTALLING THE JIB BOOM:** After the Counterweight Base has been prepared, it may be used as a mounting point for M100 Modular Jib Systems. See Figure 4 for reference. To install, place the M100 Jib Boom (A) onto the Jib Mount (B) of the Counterweight Base. Ensure that the Locking Pin (C) is facing away from the Counterweight Box and that is placed between the Rotation Stops (D). After placement, the Locking Pin of the Jib Boom may be either engaged or disengaged, thus restricting or enabling system rotation.
- 2.5 TRANSPORTING THE SYSTEM:** The Counterweight Base may be transported using the Fork Pockets (A) located at the bottom of the Base (see Figure 5). The Counterweight Box may be attached to the Counterweight Base during transport or it may be moved separately. Figure 6 displays the location of the center of gravity for the system when paired with the largest M100 Jib Boom (8530877), both with (X) and without (Y) the Counterweight Box. The center of gravity for the Counterweight Box alone (Z) is also displayed. The center of gravity will move closer to the back of the Counterweight Base when smaller M100 Jib Booms are used.

Engage the Locking Pin (C) of the Jib Boom to prevent rotation during transport. See Figure 4 for reference.

Do not transport at speeds exceeding 5 mph (8 kph).

When transporting the system, be aware of overhead obstructions and electrical hazards which may result in serious injury or death.

- 2.6 INSTALLING THE WHEEL KIT (8530908):** The Counterweight Base Wheel Kit (sold separately) may be installed onto the Counterweight Base as an alternative means of transporting the Counterweight Base. See Figure 11 for reference. To install the Wheel Kit, fasten the four Wheel Assemblies (A) onto the Mounting Plates (B) of the Counterweight Base using the provided 1/2 in. (13 mm) fasteners. Torque fasteners to 60 ft-lb (81 N-m).

The M100 Jib System cannot be used while the wheels of the Wheel Kit are contacting the ground.

3.0 USE:

- 3.1 BEFORE EACH USE:** Verify that your work area and Fall Protection system meet all criteria defined in these instructions. Verify that a formal Rescue Plan is in place. Inspect the system per the 'User' inspection points defined in the "Inspection and Maintenance Log" (Table 2). If inspection reveals an unsafe or defective condition, or if there is any doubt about its condition for safe use, remove the system from service immediately. Clearly tag the system "DO NOT USE". See Section 4 for more information.

- 3.2 COUNTERWEIGHT REQUIRED:** The Counterweight Box must be installed onto the Counterweight Base before using the M100 Jib System. See Figure 7 for reference.

- 3.3 LEVELING THE JIB BASE:** The jacks included with the Counterweight Base must be lowered and contacting the ground when using the M100 Jib System. See Figure 8 for reference. To level the system:

1. Turn the handle of the Jack clockwise until it comes into contact with the ground. Do this for each Adjustable Foot of the Base. Do not raise the Counterweight Base more than 4.0 in. (10.2 cm) above the ground.
2. After setting each Adjustable Foot, verify that the Counterweight Base is level using the Level Indicators at the front of the Base. The Base must be within plus or minus 1° from vertical in both directions of the base.

- 3.4 USING THE WHEEL KIT (8530908):** After installing the Wheel Kit, it may be used to transport the Jib System. See Section 2.6 for more information.

1. Turn the handle of the Wheel Jack clockwise until it comes into contact with the ground and raises the Base off the ground. Do not raise the Base more than 2.0 in. (51 mm) off the ground.
2. Use the Leveling Indicators located on the Counterweight Base to verify whether the Base is level. The Base may be transported after the Base has been determined to be level. See Figure 8.2 for reference.

Do not transport the system on uneven ground. A sloped or uneven surface could cause a loss of control.

- 3.5 SAFE WORKING RADIUS:** The user must stay within the Safe Working Radius (A) of the Jib Boom and must not work past the end of the rail (B) or behind the Counterweight Base (B). The user must remain as directly below the Connection

Eye as possible. See Figure 9 for reference. Leaving the Safe Working Radius to an Outside Location (B) is dangerous and could result in serious injury or death. When working on either side of the M100 Jib System, keep the anchor point as close overhead as possible. If a rotation stop is in place on the jib mount, never work past that rotation stop. See the User Instructions for the M100 Jib Boom (5908371) for more information.

4.0 INSPECTION:

After product has been removed from service, it may not be returned to service until a Competent Person confirms in writing that it is acceptable to do so.

- 4.1 INSPECTION FREQUENCY:** The Counterweight Base shall be inspected by the user before each use, and additionally by a Competent Person other than the user at intervals of no longer than one year. A higher frequency of equipment use and harsher conditions may require increasing the frequency of Competent Person inspections. The frequency of these inspections should be determined by the Competent Person per the specific conditions of the worksite.
- 4.2 INSPECTION PROCEDURES:** Inspect this product per the procedures listed in the "Inspection and Maintenance Log". Documentation of each inspection should be maintained by the owner of this equipment. An inspection and maintenance log should be placed near the product or be otherwise easily accessible to users. It is recommended that the product is marked with the date of next or last inspection.
- 4.3 DEFECTS:** If the Counterweight Base cannot be returned to service because of an existing defect or unsafe condition, then either destroy the system or contact 3M or a 3M-authorized service center about possible repair.
- 4.4 PRODUCT LIFE:** The functional life of the Counterweight Base is determined by work conditions and maintenance. As long as the product passes inspection criteria, it may remain in service.

5.0 MAINTENANCE, SERVICE, and STORAGE

- 5.1 CLEANING:** Periodically clean the metal components of the Counterweight Base with a soft brush, warm water, and a mild soap solution. Ensure parts are thoroughly rinsed with clean water.
- 5.2 SERVICE:** Only 3M or parties authorized in writing by 3M may make repairs to this equipment.
- 5.3 STORAGE:** If applicable, store the Counterweight Base 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.

6.0 LABELS and MARKINGS:

- 6.1 LABELS:** Figure 12 illustrates labels present on the Counterweight Base. Labels must be replaced if they are not present or fully legible. Information provided on each label is as follows:

A	<ul style="list-style-type: none"> 1) Do not use the Counterweight Base without the counterweight attached. 2) Use of the Counterweight Base with Jib Boom is approved only with the counterweight attached.
B	<ul style="list-style-type: none"> 1) Notified Body and Applicable Standards 2) Read all instructions. 3) Company Logo 4) Applicable Standards 5) Warning Instructions 6) Weight of filled Counterweight Box = 3,095 lb. (1,404 kg) 7) Weight of main base = 1,100 lb. (499 kg) 8) Maximum Weight of M100 Jib Boom = ≤805 lb. (365 kg) 9) Weight of Counterweight Base + M100 Jib Boom = ≤5,000 lb. (2,268 kg)
C	<ul style="list-style-type: none"> 1) Manufactured (Year/Month) 2) Model Number 3) Serial Number 4) Company Logo



Fall Protection

USA
3833 SALA Way
Red Wing, MN 55066-5005

Distributed by Engineered Fall Protection
Sales@EngineeredFallProtection.com
www.EngineeredFallProtection.com
Tel: (314) 492-4422



EU DECLARATION OF CONFORMITY:
3M



Fall Protection

EN795: 2012
Type A

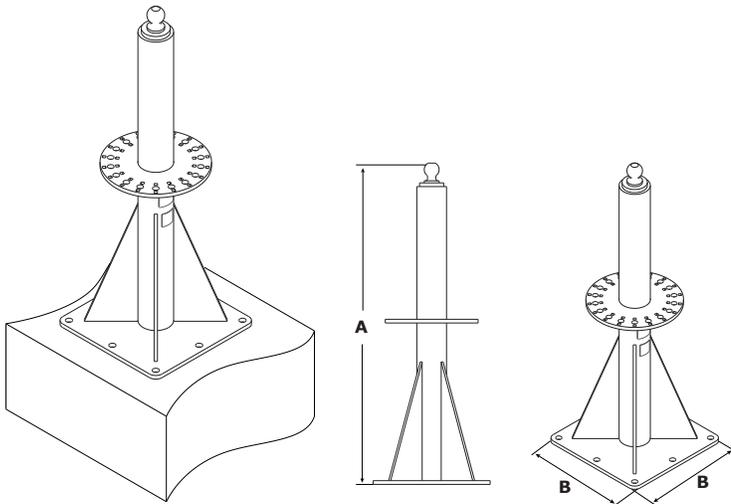
OSHA 1926:502
OSHA 1910:140

**3M™ DBI-SALA® FLEXIGUARD™
Modular Jib System M100
FLOOR MOUNT BASE**

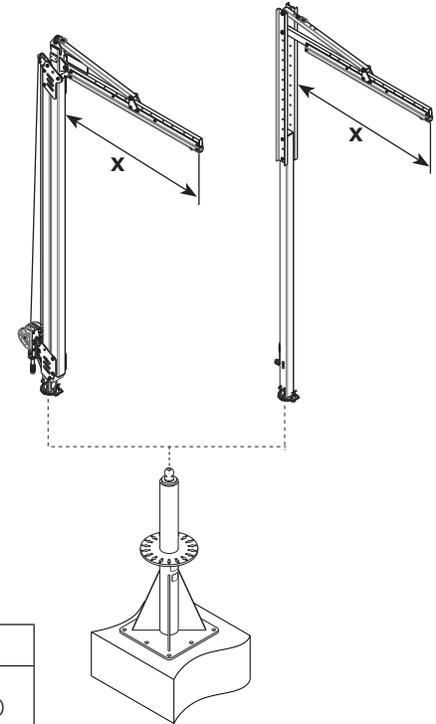
**INSTALLATION INSTRUCTIONS
5908370 REV. B**

1

8530871

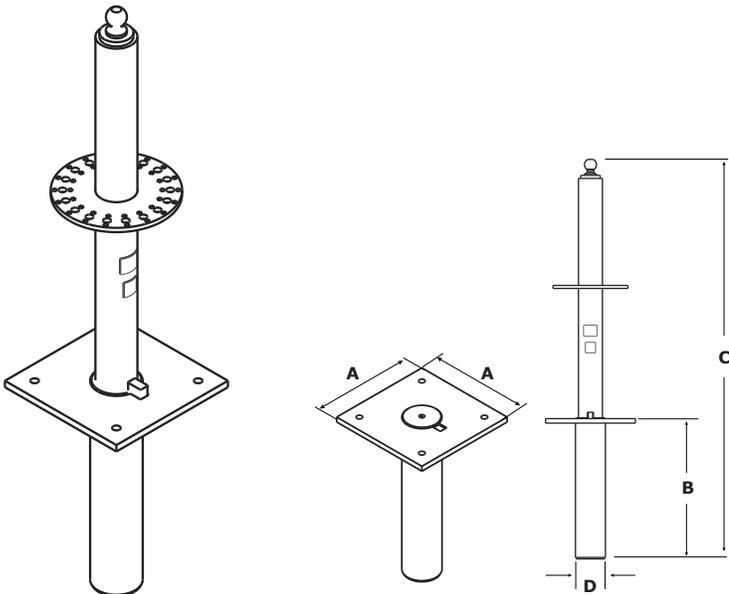


	A	B
8530871	43.30 in. (1.10 m)	15.75 in. (0.40 m)

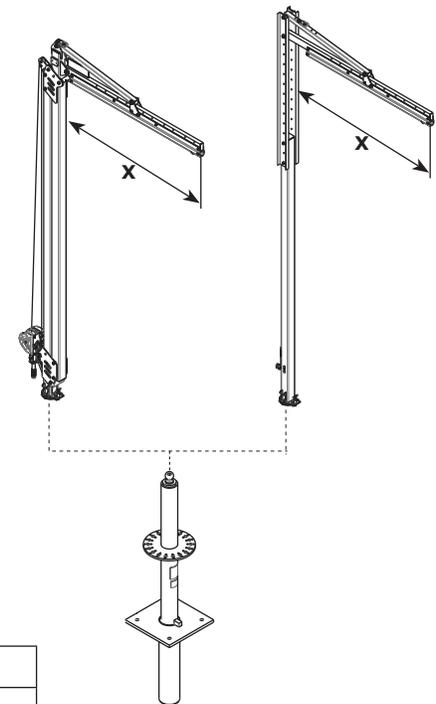


X
≤7.5 ft (2.3 m)

8530872



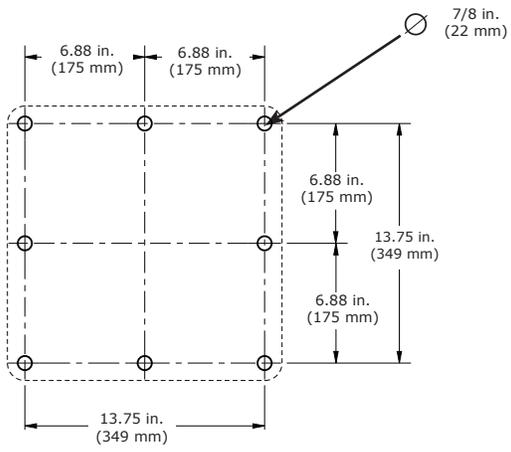
	A	B	C	D
8530872	15 in. (0.38 m)	23.44 in. (0.60 m)	66.75 in. (1.70 m)	5 in. (127 mm)



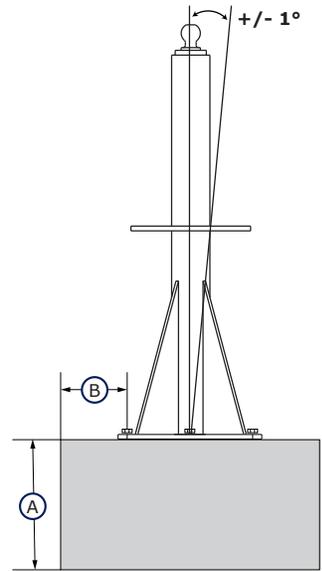
X
≤7.5 ft (2.3 m)

2

1

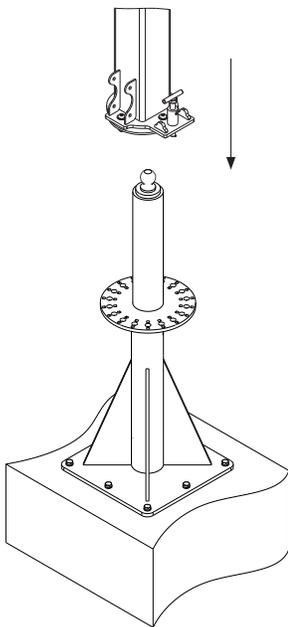


2

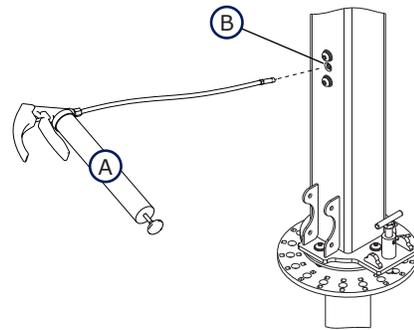


3

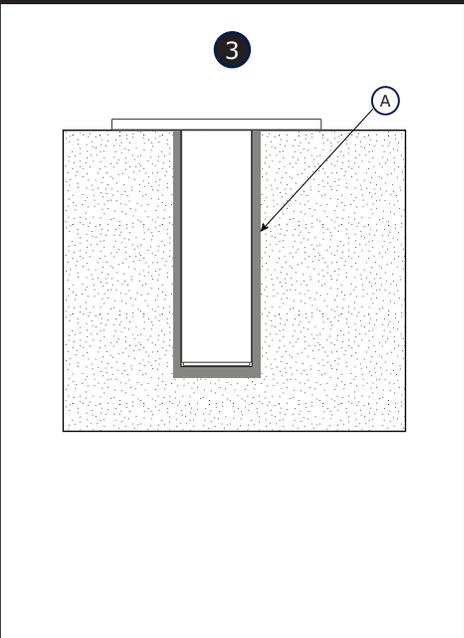
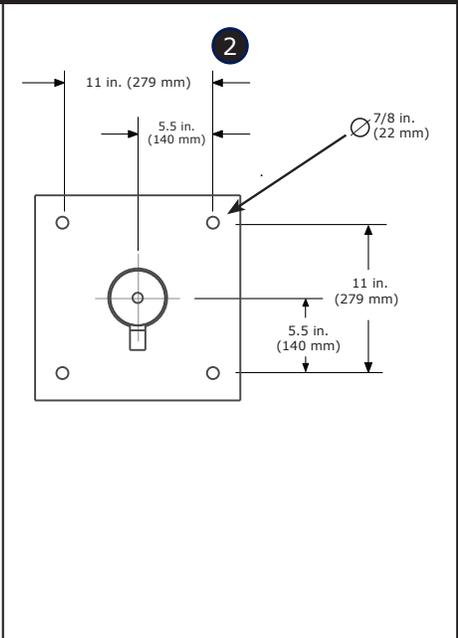
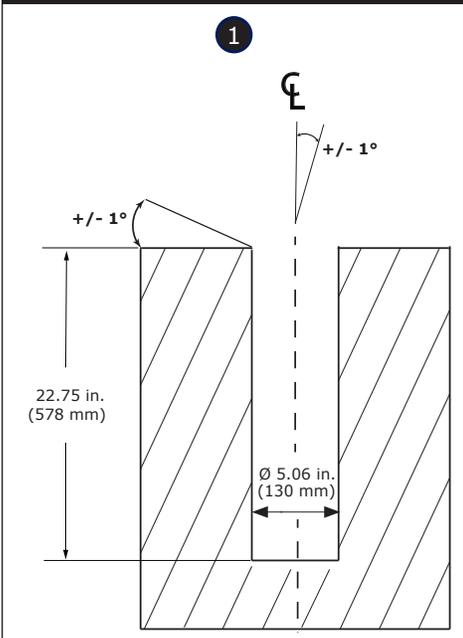
1



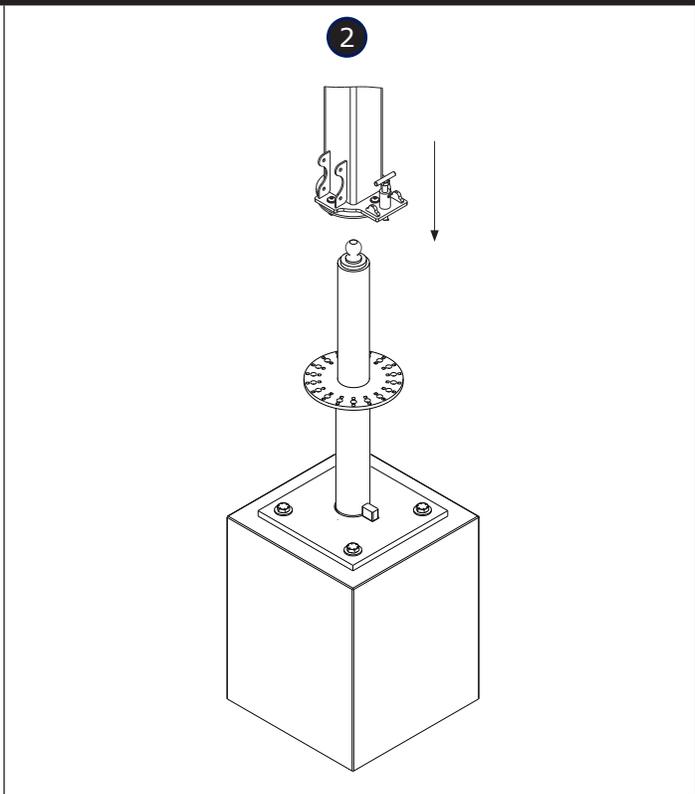
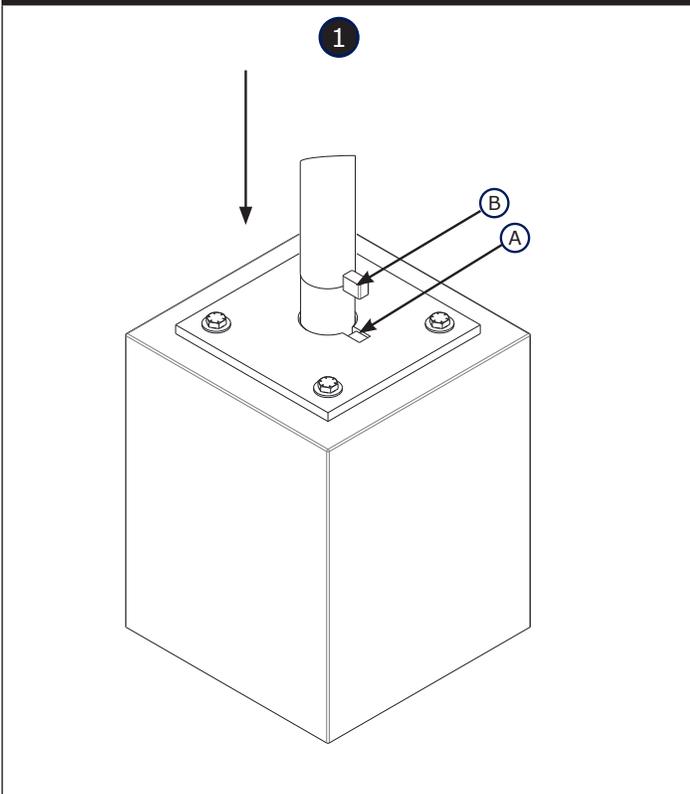
2



4

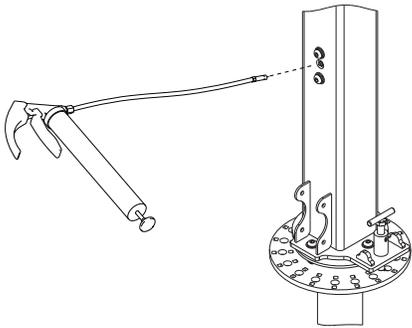


5

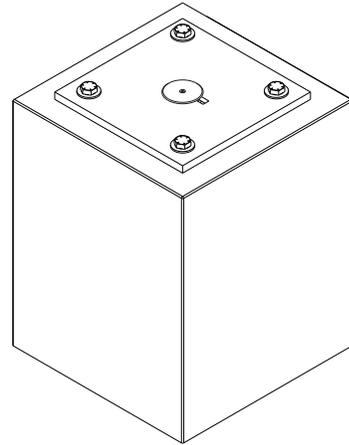


5

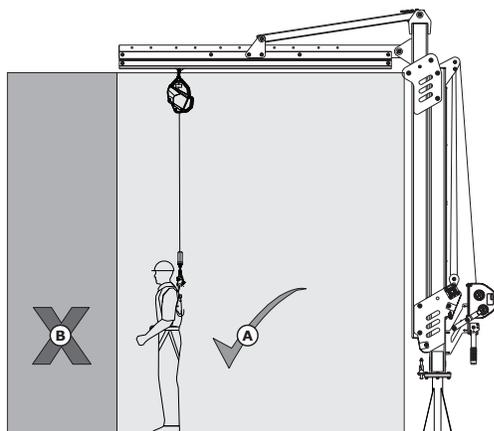
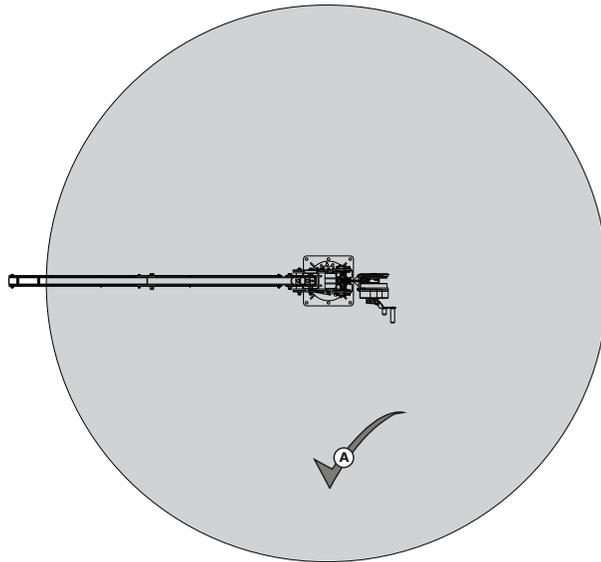
3



4

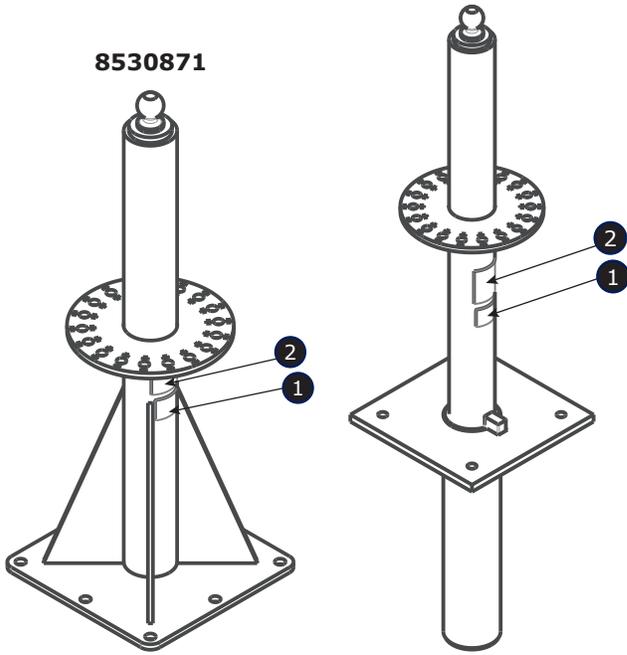


6

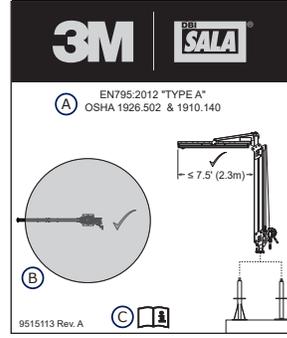


8530872

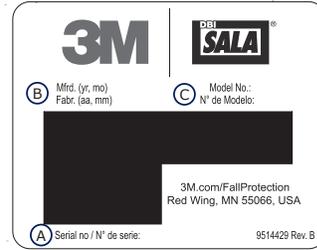
8530871



1



2



SAFETY INFORMATION

Please read, understand, and follow all safety information contained in these instructions prior to the use of this Flexiguard System. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.

These instructions must be provided to the user of this equipment. Retain these instructions for future reference.

Intended Use:

This Flexiguard System is intended for use as part of a complete fall protection or rescue system.

Use in any other application including, but not limited to, material handling, recreational or sports related activities, or other activities not described in the User Instructions, is not approved by 3M and could result in serious injury or death.

This system is only to be used by trained users in workplace applications.

WARNING

This Flexiguard System is part of a personal fall protection or rescue system. It is expected that all users be fully trained in the safe installation and operation of the complete system. **Misuse of this system could result in serious injury or death.** For proper selection, operation, installation, maintenance, and service, refer to all Product Instructions and all manufacturer recommendations, see your supervisor, or contact 3M Technical Service.

- **To reduce the risks associated with transporting a Flexiguard system which, if not avoided, could result in serious injury or death:**
 - Ensure the system is properly secured or configured prior to transport. Refer to the User Instructions for detailed transportation requirements.
 - Only transport below 5 mph (8 km/h) and at inclines of 10° or less, or as outlined in the User Instructions.
 - Ensure the system will not contact overhead objects or electrical hazards while transporting or in use.

- **To reduce the risks associated with working with a Flexiguard system which, if not avoided, could result in serious injury or death:**
 - Inspect all components of the system before each use, at least annually, and after any fall event, in accordance with the User Instructions.
 - If inspection reveals an unsafe or defective condition, remove the system from service and repair or replace according to the User Instructions.
 - Any system that has been subject to fall arrest or impact force must be immediately removed from service. Refer to the User Instructions or contact 3M Fall Protection.
 - The substrate or structure on which the system is attached/positioned must be able to sustain the static loads specified for the system in the orientations permitted in the User Instructions or Installation Instructions.
 - Do not exceed the number of allowable users as per the User Instructions.
 - Never attach to a system until it is fully assembled, positioned, adjusted, and installed. Do not adjust the system while a user is attached.
 - Never work outside the safe work area as defined by the User Instructions.
 - Do not connect to the system while it is being transported or installed.
 - Always maintain 100% tie-off when transferring between anchor points on the system.
 - Use caution when installing, using, and moving the system as moving parts may create potential pinch points.
 - Ensure proper lockout/tagout procedures have been followed when applicable.
 - Only connect fall protection subsystems to the designated anchorage connection point on the system.
 - When drilling holes for assembly or installation of the system, ensure no electric lines, gas lines, or other critical materials or equipment will be contacted by the drill.
 - Ensure that fall protection systems/subsystems assembled from components made by different manufacturers are compatible and meet the requirements of applicable standards, including the ANSI Z359 or other applicable fall protection codes, standards, or requirements. Always consult a Competent or Qualified Person before using these systems.

- **To reduce the risks associated with working at heights which, if not avoided, could result in serious injury or death:**
 - Ensure your health and physical condition allow you to safely withstand all of the forces associated with working at height. Consult with your doctor if you have any questions regarding your ability to use this equipment.
 - Never exceed allowable capacity of your fall protection equipment.
 - Never exceed maximum free fall distance of your fall protection equipment.
 - Do not use any fall protection equipment that fails pre-use or other scheduled inspections, or if you have concerns about the use or suitability of the equipment for your application. Contact 3M Technical Services with any questions.
 - Some subsystem and component combinations may interfere with the operation of this equipment. Only use compatible connections. Consult 3M prior to using this equipment in combination with components or subsystems other than those described in the User Instructions.
 - Use extra precautions when working around moving machinery (e.g. top drive of oil rigs) electrical hazards, extreme temperatures, chemical hazards, explosive or toxic gases, sharp edges, or below overhead materials that could fall onto you or the fall protection equipment.
 - Use Arc Flash or Hot Works devices when working in high heat environments.
 - Avoid surfaces and objects that can damage the user or equipment.
 - Ensure there is adequate fall clearance when working at height.
 - Never modify or alter your fall protection equipment. Only 3M or parties authorized in by 3M may make repairs to the equipment.
 - Prior to use of fall protection equipment, ensure a rescue plan is in place which allows for prompt rescue if a fall incident occurs.
 - If a fall incident occurs, immediately seek medical attention for the fallen worker.
 - Do not use a body belt for fall arrest applications. Use only a Full Body Harness.
 - Minimize swing falls by working as directly below the anchorage point as possible.
 - If training with this device, a secondary fall protection system must be utilized in a manner that does not expose the trainee to an unintended fall hazard.
 - Always wear appropriate personal protective equipment when installing, using, or inspecting the device/system.

Before using this equipment, record the product identification information from the ID label into the inspection and maintenance log of this manual.

This Floor Mount Base can only be used with the 3M Modular Jib System M100 manufactured by 3M. Do not attempt to use the Floor Mount Base without first consulting the user instruction 5908371 for the 3M Modular Jib System M100.

Table 1 – Specifications

System Specifications:			
Compatibility:	The Floor Mount Bases covered in this instruction are compatible with 3M™ DBI-SALA® Flexiguard™ Modular Jib System M100.		
Standards:	Designed to meet the test requirements of EN795:2012 (Type A), OSHA 1926.502, and OSHA 1910.140.		
Capacity:	See 3M™ DBI-SALA® Flexiguard™ Modular Jib System M100 instruction 5908371.		
Dimensions:	See Figure 1 for dimensions of the Floor Mount Base.		
Maximum Arresting Force:	All connecting systems (SRDs, Energy Absorbing Lanyards, etc.) used with the Floor Mount Base must limit the Maximum Arresting Force to 1,350 lbf. (6 kN).		
Weight:	8530871: 203 lb. (92 kg) 8530872: 315 lb. (143 kg)		
Component Specifications:			
Component	Material		
General Construction	Welded Steel		
Structural Material	A36 Steel		
Base Finish	8530871 - Powdercoat 8530872 - Zinc Plating, Powdercoat		
Base Caps	8530871 - Stainless Steel, Runner Gasket 8530872 - Aluminum, Stainless Steel Ring, Rubber Gasket		
Mounting Requirements:			
Model Number	Minimum Fastener Pullout Force	Mounting Structure Minimum Moment Load	Mounting Structure Minimum Vertical Load
8530871	5,744 lb. (2,606 kg)	255,474 in*lb. (28,865 N*m)	2,700 lb. (1,225 kg) + Base Weight + Jib Weight
8530872		255,474 in*lb. (28,865 N*m)	2,700 lb. (1,225 kg) + Base Weight + Jib Weight
<input checked="" type="checkbox"/> See the fastener manufacturer's specifications for fastener requirements.			

1.0 PRODUCT APPLICATION

- 1.1 PURPOSE:** The Floor Mount Base is designed for use as a component of a Fall Protection system.
- 1.2 DESCRIPTION:** The Floor Mount Base (Figure 1) is designed to be anchored to approved structures and used as a mounting point for the 3M approved Modular Jib System M100.
- 1.3 STANDARDS:** The Floor Mount Base conforms to the national or regional standard(s) identified on the front cover of these instructions. If the product is resold outside of the original country of destination, the re-seller must provide these instructions in the language of the country in which the product will be used.
- 1.4 SUPERVISION:** Installation of this equipment must be supervised by a Qualified Person¹. Use of this equipment must be supervised by a Competent Person².
- 1.5 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 national, regional, or local standards. It is the responsibility of 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.
- 1.6 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 persons³, and rescuers⁴. A trained, onsite 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 Qualified Person: A person with a recognized degree, certificate or professional standing, or who by extensive knowledge, training and experience has successfully demonstrated his ability to solve or resolve problems relating to Fall Protection systems to the extent required by OSHA or other applicable federal, state, and local regulations.

2 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.

3 Authorized Person: A person assigned by the employer to perform duties at a location where the person will be exposed to a fall hazard.

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

1.7 AFTER A FALL: If this equipment is subjected to fall arrest or impact forces, remove it from service immediately. Clearly tag it "DO NOT USE". See section 4 for more information.

2.0 INSTALLATION:

2.1 PLANNING: Plan your Fall Protection system prior to installation of the Floor Mount Base. 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.

2.2 ANCHORAGE AND FASTENERS: Concrete anchors and mounting hardware are not included. Mounting hardware must meet the minimum requirements provided in Table 1.

2.3 INSTALLATION STEPS FOR 8530871:

1. Mark anchor holes to be drilled per Figure 2.1 layout.
 - The mounting surface must be flat with a slope of no greater than plus or minus 1° (Figure 2.2).
 - Ensure the Base will be offset from any edge of the surface per the fastener manufacturer's recommended setback distance (B). Select fasteners appropriate for the material thickness (A) of the mounting surface.
 - Drill each hole according to the fastener manufacturer's depth specifications.
2. Install the Floor Mount Base.
 - Ensure the mounting surface is free of any debris before setting the Base in place.
 - Remove debris from the drilled holes.
 - Fasten the Base to the mounting structure per the fastener manufacturer's installation instructions.
 - Ensure the base is within the plus or minus 1° from vertical.
3. Install the Mast in the Base (Figure 3.1).
 - Install the 3M Modular Jib System M100 onto the Base.
 - Apply grease to grease fitting located on the Jib (Figure 3.2).

2.4 INSTALLATION STEPS FOR 8530872:

1. Mark sleeve location to be drilled per Figure 4.2 layout.
 - The mounting surface must be flat with a slope of no greater than plus or minus 1° (Figure 4.1).
 - Drill Ø5.06 in. (130 mm) hole to a depth of 22.75 in. (578 mm) into the existing concrete (Figure 4.2).
 - Remove debris from hole (A) and inject epoxy into hole per manufacturer instructions (Figure 4.3).
 - Additional anchors can be used to secure the base to the mounting surface (Figure 4.2).
 - Insert the Base into the hole until the top of the Base is resting on top of the mounting surface.

Ensure no epoxy enters the anchor opening during install.

 - Allow epoxy to cure before proceeding to next steps.
 - Fasten the Base to the existing concrete by tightening the concrete anchor bolts to the recommended torque.

The Base can also be installed directly into fresh concrete, allowing the Base to be flush with the mounting surface.
2. Install the 3M Modular Jib System M100 onto the Base.
 - Lower the Mounting Post until the Rotation Block (A) is resting in the Locking Slot (B) in the Base (Figure 5.1).
 - Install the 3M Modular Jib System M100 onto the Base (Figure 5.2).
 - Apply grease to grease fitting located on the Jib (Figure 5.3).

Insert the Base Cap into the Base when the Mast is not in the Base (Figure 5.4).

3.0 USE:

3.1 BEFORE EACH USE: Verify that your work area and Fall Protection system meet all criteria defined in these instructions. Verify that a formal Rescue Plan is in place. Inspect the system per the 'User' inspection points defined in the "Inspection and Maintenance Log" (Table 2). If inspection reveals an unsafe or deflection condition, or if there is any doubt about its condition for safe use, remove the system from service immediately. Clearly tag the system "DO NOT USE." See section 4 for more information.

3.2 SAFE WORKING RADIUS: The Safe Working Radius of the Jib Base does not extend beyond the length of the Jib Base itself. See Figure 6 for reference. When using the M100 Jib System, the user should remain within the indicated Safe Working Zone (A). Leaving the Safe Working Zone to an Outside Location (B) is dangerous and could result in serious injury or death. When working on either side of the M100 Jib System, keep the anchor point as close overhead as possible. If a rotation stop is in place on the jib mount, never work past that rotation stop. See the M100 Jib Boom user instruction 5908371 for more information.

4.0 INSPECTION:

After equipment has been removed from service, it may not be returned to service until a Competent Person confirms in writing it is acceptable to do so.

4.1 INSPECTION FREQUENCY: The product shall be inspected before each use by the user and, additionally, by a Competent Person other than the user at intervals of no longer than one year. A higher frequency of equipment use and harsher conditions may require increasing the frequency of Competent Person inspections. The frequency of these inspections should be determined by the Competent Person per the specific conditions of the worksite.

- 4.2 INSPECTION PROCEDURES:** Inspect this product per the procedures listed in the "*Inspection and Maintenance Log*". Documentation of each inspection should be maintained by the owner of this equipment. An inspection and maintenance log should be placed near the product or be otherwise easily accessible to users. It is recommended that the product is marked with the date of next or last inspection.
- 4.3 DEFECTS:** If the Floor Mount Base cannot be returned to service because of an existing defect or unsafe condition, then either destroy the system or contact 3M or a 3M-authorized service center about possible repair.
- 4.4 PRODUCT LIFE:** The functional life of the Floor Mount Base is determined by work conditions and maintenance. As long as the product passes inspection criteria, it may remain in service.

5.0 MAINTENANCE, SERVICE, and STORAGE:

- 5.1 CLEANING:** Periodically clean the metal components of the Floor Mount Base with a soft brush, warm water, and a mild soap solution. Ensure parts are thoroughly rinsed with clean water.
- 5.2 SERVICE:** Only 3M or parties authorized in writing by 3M may make repairs to this equipment.

6.0 LABELS and MARKINGS:

6.1 LABELS: Figure 7 illustrates labels on the Floor Mount Base. All labels must be present on the Floor Mount Base. Labels must be replaced if they are not fully legible. Information provided on each label is as follows:

1	A) Notified Body and Standard Information B) Safe Working Radius C) Read Instructions
2	A) Serial Number B) Manufactured Year/Month C) Model Number



Fall Protection

USA
3833 SALA Way
Red Wing, MN 55066-5005

Distributed by Engineered Fall Protection
Sales@EngineeredFallProtection.com
www.EngineeredFallProtection.com
Tel: (314) 492-4422



EU DECLARATION OF CONFORMITY:
3M



Fall Protection



EN795.2012
Type B

CE Type Test

No. 2797
BSI
The Netherlands B.V.
Say Building
John M. Keynesplein 9
1066 EP
Amsterdam
Netherlands

CE Product Quality Control

No. 2797
BSI
The Netherlands B.V.
Say Building
John M. Keynesplein 9
1066 EP
Amsterdam
Netherlands

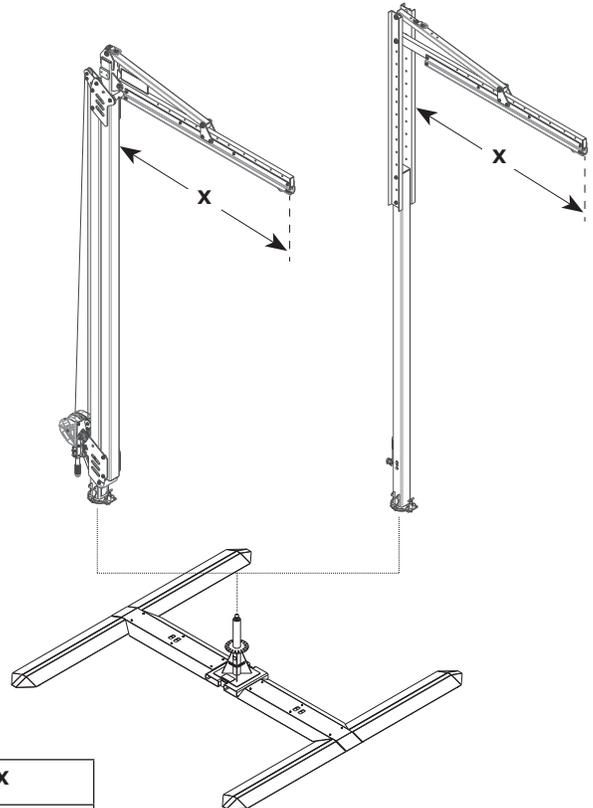
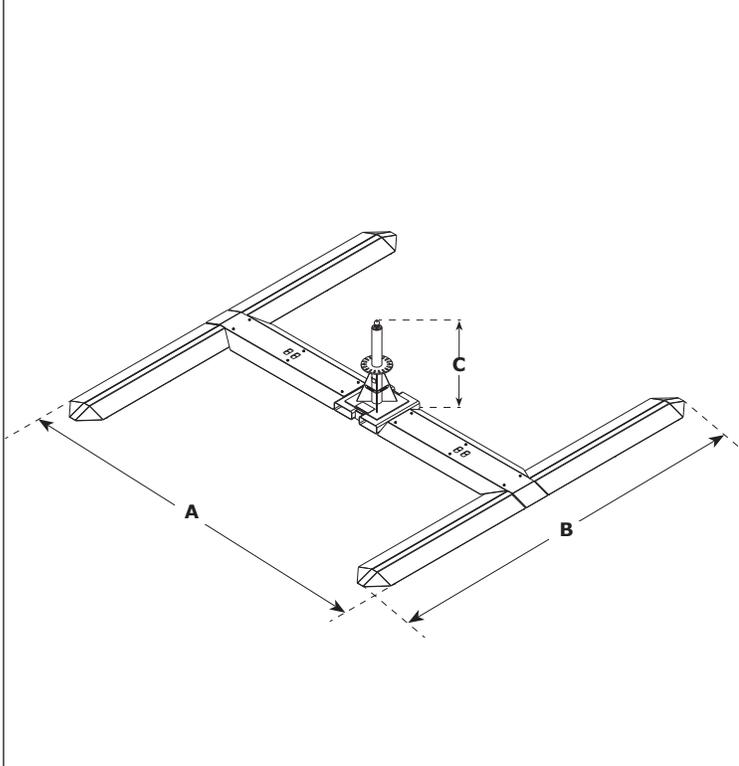
OSHA 1910.140

OSHA 1926.502

**3M™ DBI-SALA®
FLEXIGUARD™
Modular Jib System M100
H-Base**

**USER INSTRUCTIONS
5908377 Rev. C**

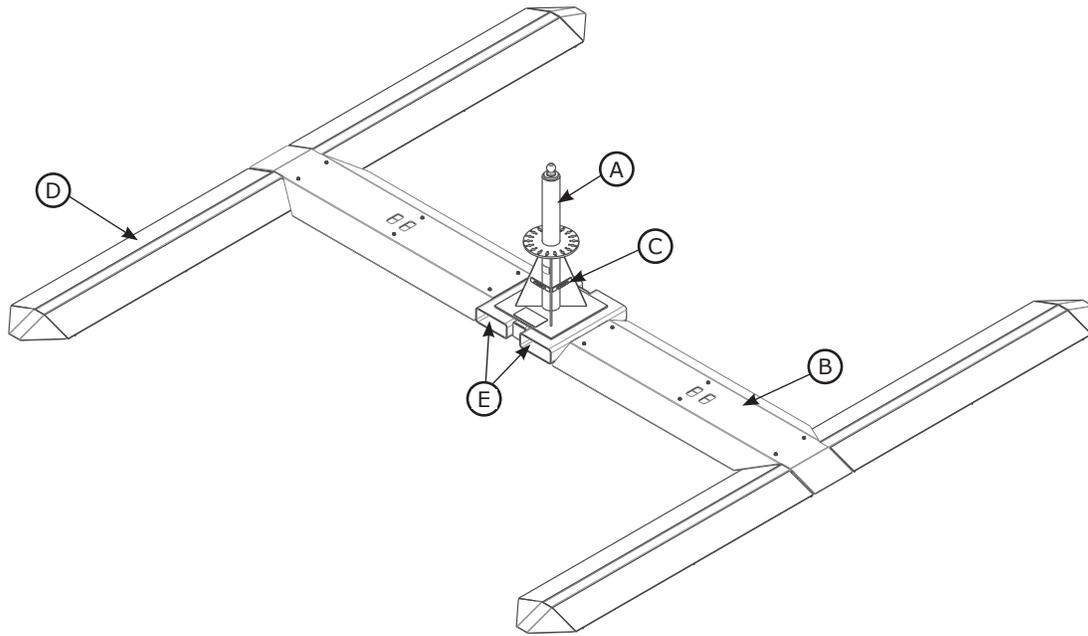
1



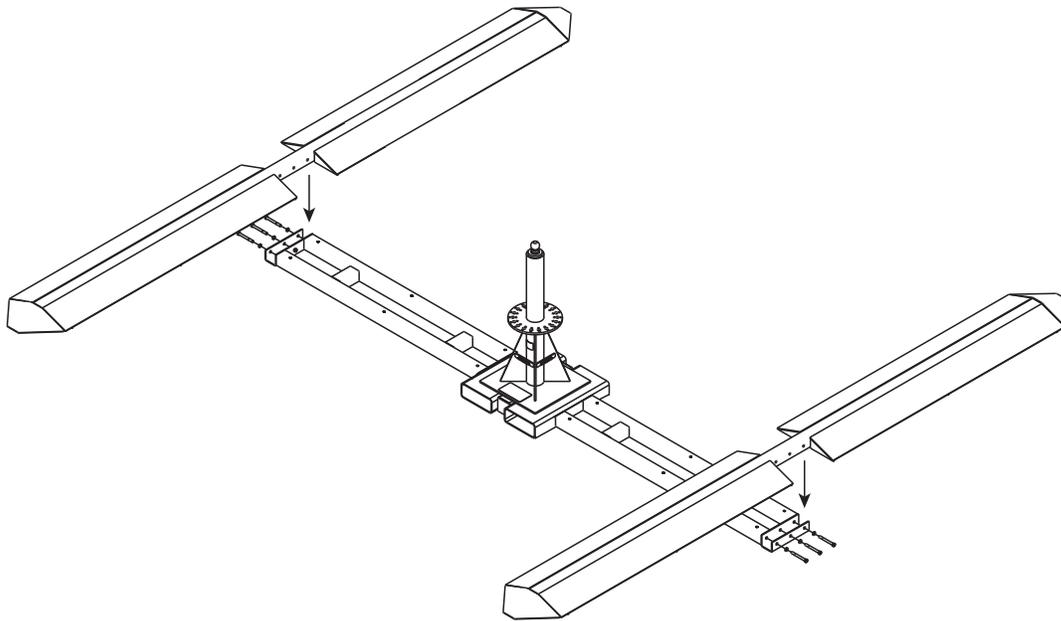
	A	B	C
8530873	15 ft. (4.6 m)	15 ft. (4.6 m)	3.6 ft. (1.1 m)

X
≤ 7.5 ft. (2.3 m)

2

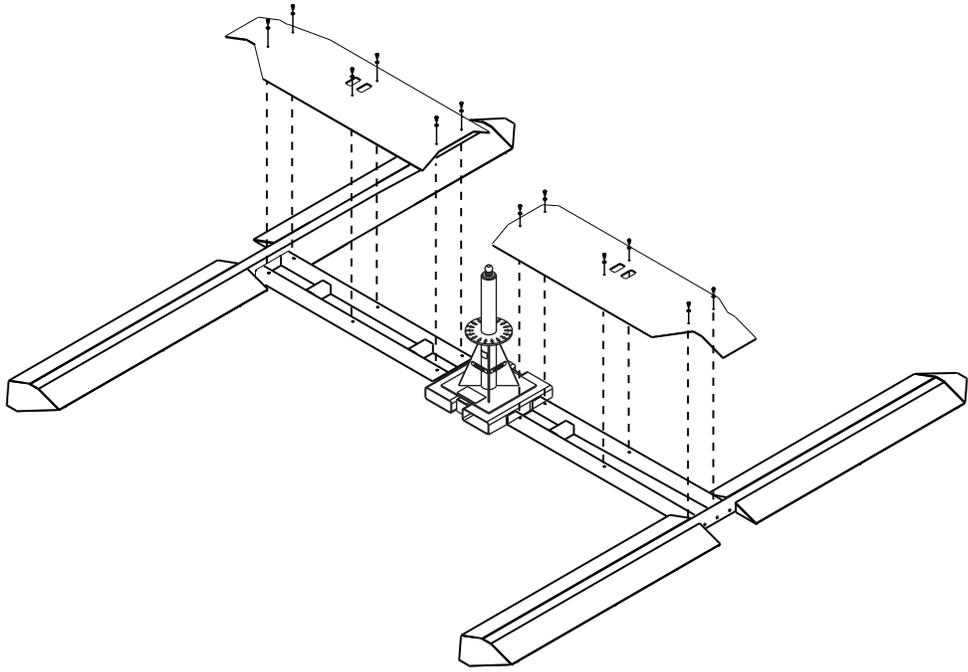


3

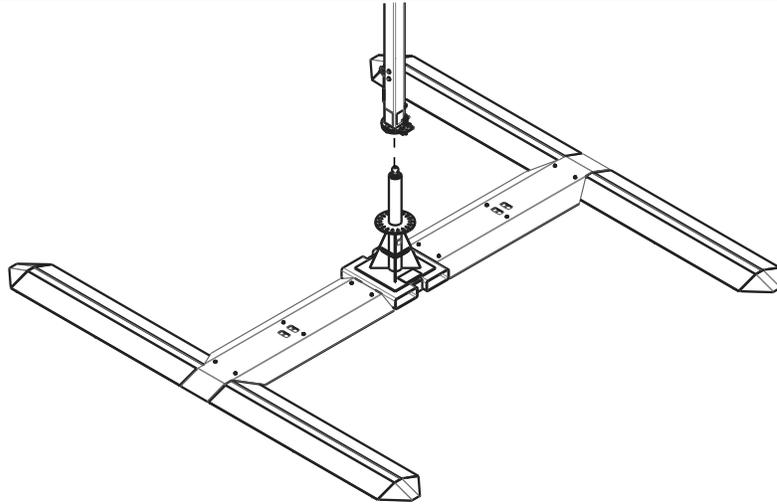


2

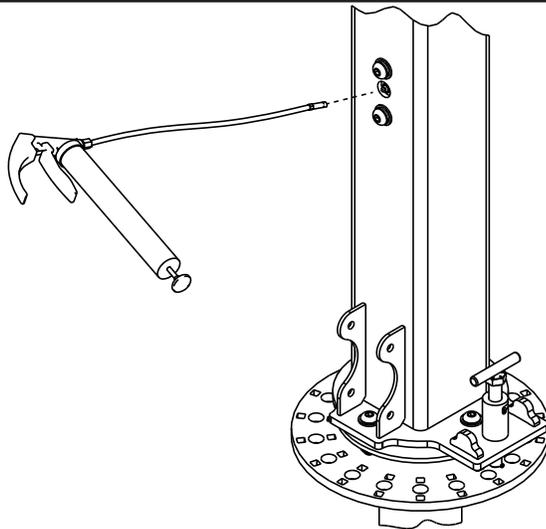
4



5

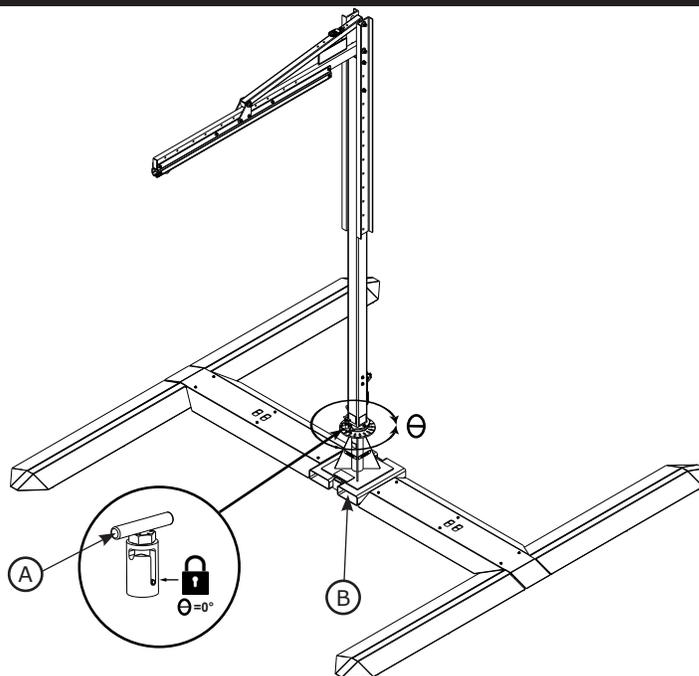


6

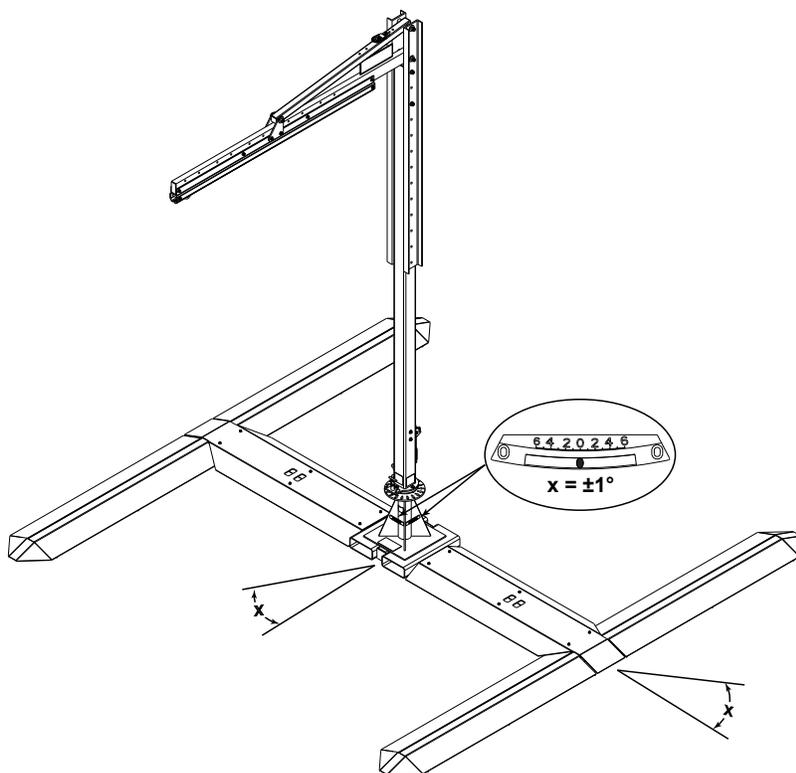


3

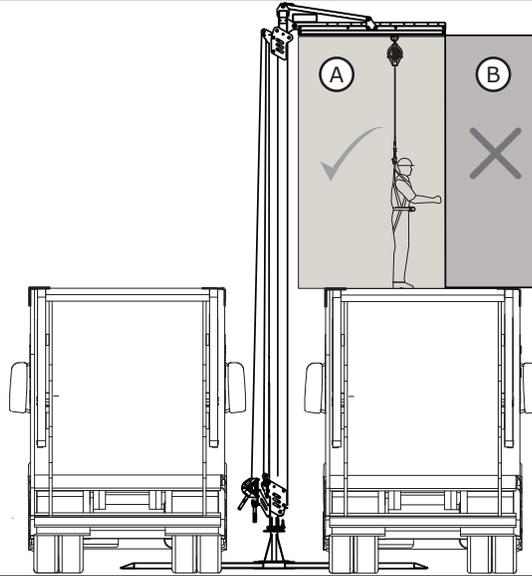
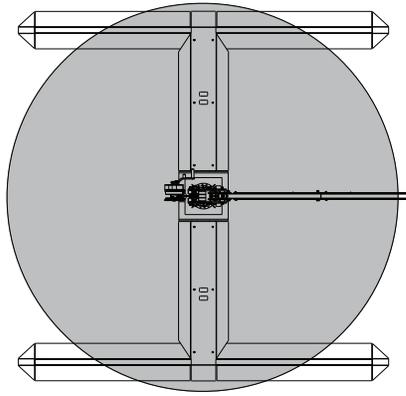
7



8



9



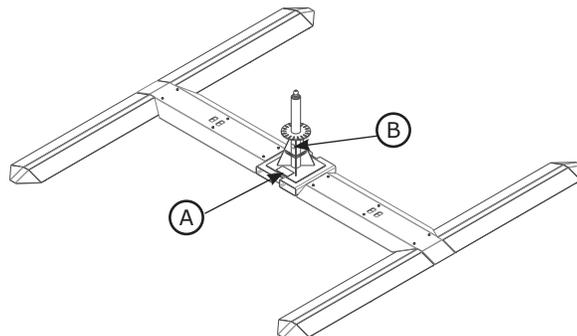
10

A

B

		3
1	4	2
CE 2797		5
<small>EN795:2012 "TYPE B" OSHA 1926.502 / 1910.140</small>		
6	7	8
<small>1,335 lbs. (605 kg)</small>	<small>≤ 805 lbs. (365 kg)</small>	<small>≤ 2,140 lbs. (970 kg)</small>
		9
<small>84 20 24 6 +/- 1°</small>		
<small>9515116 REV. B</small>		

4	2
1	2
<small>Mfrd. (yr, mo) Fabr. (aa, mm)</small>	<small>Model No.: N° de Modelo:</small>
<small>3M.com/FallProtection Red Wing, MN 55066, USA</small>	
3	9514429 Rev. B
<small>Serial no / N° de serie:</small>	



5

SAFETY INFORMATION

Please read, understand, and follow all safety information contained in these instructions prior to the use of this Flexiguard System. **FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.**

These instructions must be provided to the user of this equipment. Retain these instructions for future reference.

Intended Use:

This Flexiguard System is intended for use as part of a complete fall protection or rescue system.

Use in any other application including, but not limited to, material handling, recreational or sports related activities, or other activities not described in the User Instructions, is not approved by 3M and could result in serious injury or death.

This system is only to be used by trained users in workplace applications.

WARNING

This Flexiguard System is part of a personal fall protection or rescue system. It is expected that all users be fully trained in the safe installation and operation of the complete system. **Misuse of this system could result in serious injury or death.** For proper selection, operation, installation, maintenance, and service, refer to all Product Instructions and all manufacturer recommendations, see your supervisor, or contact 3M Technical Service.

- **To reduce the risks associated with transporting a Flexiguard system which, if not avoided, could result in serious injury or death:**
 - Ensure the system is properly secured or configured prior to transport. Refer to the User Instructions for detailed transportation requirements.
 - Only transport below 5 mph (8 km/h) and at inclines of 10° or less, or as outlined in the User Instructions.
 - Ensure the system will not contact overhead objects or electrical hazards while transporting or in use.
- **To reduce the risks associated with working with a Flexiguard system which, if not avoided, could result in serious injury or death:**
 - Inspect all components of the system before each use, at least annually, and after any fall event, in accordance with the User Instructions.
 - If inspection reveals an unsafe or defective condition, remove the system from service and repair or replace according to the User Instructions.
 - Any system that has been subject to fall arrest or impact force must be immediately removed from service. Refer to the User Instructions or contact 3M Fall Protection.
 - The substrate or structure on which the system is attached/positioned must be able to sustain the static loads specified for the system in the orientations permitted in the User Instructions or Installation Instructions.
 - Do not exceed the number of allowable users as per the User Instructions.
 - Never attach to a system until it is fully assembled, positioned, adjusted, and installed. Do not adjust the system while a user is attached.
 - Never work outside the safe work area as defined by the User Instructions.
 - Do not connect to the system while it is being transported or installed.
 - Always maintain 100% tie-off when transferring between anchor points on the system.
 - Use caution when installing, using, and moving the system as moving parts may create potential pinch points.
 - Ensure proper lockout/tagout procedures have been followed when applicable.
 - Only connect fall protection subsystems to the designated anchorage connection point on the system.
 - When drilling holes for assembly or installation of the system, ensure no electric lines, gas lines, or other critical materials or equipment will be contacted by the drill.
 - Ensure that fall protection systems/subsystems assembled from components made by different manufacturers are compatible and meet the requirements of applicable standards, including the ANSI Z359 or other applicable fall protection codes, standards, or requirements. Always consult a Competent or Qualified Person before using these systems.
- **To reduce the risks associated with working at heights which, if not avoided, could result in serious injury or death:**
 - Ensure your health and physical condition allow you to safely withstand all of the forces associated with working at height. Consult with your doctor if you have any questions regarding your ability to use this equipment.
 - Never exceed allowable capacity of your fall protection equipment.
 - Never exceed maximum free fall distance of your fall protection equipment.
 - Do not use any fall protection equipment that fails pre-use or other scheduled inspections, or if you have concerns about the use or suitability of the equipment for your application. Contact 3M Technical Services with any questions.
 - Some subsystem and component combinations may interfere with the operation of this equipment. Only use compatible connections. Consult 3M prior to using this equipment in combination with components or subsystems other than those described in the User Instructions.
 - Use extra precautions when working around moving machinery (e.g. top drive of oil rigs) electrical hazards, extreme temperatures, chemical hazards, explosive or toxic gases, sharp edges, or below overhead materials that could fall onto you or the fall protection equipment.
 - Use Arc Flash or Hot Works devices when working in high heat environments.
 - Avoid surfaces and objects that can damage the user or equipment.
 - Ensure there is adequate fall clearance when working at height.
 - Never modify or alter your fall protection equipment. Only 3M or parties authorized in by 3M may make repairs to the equipment.
 - Prior to use of fall protection equipment, ensure a rescue plan is in place which allows for prompt rescue if a fall incident occurs.
 - If a fall incident occurs, immediately seek medical attention for the fallen worker for the worker who has fallen.
 - Do not use a body belt for fall arrest applications. Use only a Full Body Harness.
 - Minimize swing falls by working as directly below the anchorage point as possible.
 - If training with this device, a secondary fall protection system must be utilized in a manner that does not expose the trainee to an unintended fall hazard.
 - Always wear appropriate personal protective equipment when installing, using, or inspecting the device/system.

Before using this equipment, record the product identification information from the ID label in the "Inspection and Maintenance Log" at the back of this manual.

Always ensure you are using the latest revision of your 3M instruction manual. Visit the 3M website or contact 3M Technical Services for updated instruction manuals.

PRODUCT DESCRIPTION:

Figure 1 illustrates the 3M™ Flexiguard™ Modular Jib System M100 H-Base. The H-Base is designed to be used with approved Flexiguard Modular Jib System M100 Masts. The system is free standing and does not require any additional counterweight. The H-Base allows for vehicles to drive over the Outrigger Legs to get them closer to the Mast so the user can work on top of vehicles.

Figure 2 illustrates components of the H-Base. See Table 1 for Component Specifications. The Hitch Ball Post (A) is the receiver to mount the approved 3M Flexiguard M100 Mast. The Outrigger Legs (D) provide support for the H-Base and are connected by the Main Center Base (B) where the Level Indicators (C) are located. Use the Level Indicators to check that the system is within the +/- 1° of allowable slope. The Lifting Channels (E) are used to transport the H-Base with a forklift, pallet jack, crane, etc.

Table 1 – Specifications

System Specifications:		
Compatibility:	The H-Base covered in this instruction are compatible with 3M™ DBI-SALA® Flexiguard™ Modular Jib System M100.	
Standards:	Designed and tested to meet the requirements of EN795:2012 (Type B), OSHA 1926.502, and OSHA 1910.140.	
Capacity:	See 3M DBI-SALA Flexiguard Modular Jib System M100 instructions 5908371.	
Product Weight:	1335 lb. (605 kg)	
Resting Structure Requirements:	Structure supporting the Fall Arrest System must withstand a 4,035 lb. (1,830 kg) + weight of jib vertical load.	
Maximum Arresting Force:	All connecting systems (SRD, Energy Absorbing Lanyards, etc.) used with the system must limit the maximum arresting force to 1,350 lbf (6 kN).	
Component Specifications:		
Figure 2 Reference	Component	Materials
Ⓐ	Hitch Ball Post	Steel
Ⓑ	Main Center Base	Steel
Ⓒ	Level Indicators	Plastic
Ⓓ	Outrigger Legs	Steel
Ⓔ	Lifting Channels	Steel

1.0 PRODUCT APPLICATION

- 1.1 PURPOSE:** The H-Base is designed for use as a component of a Fall Arrest System.
- 1.2 DESCRIPTION:** The Floor Mount Base (Figure 1) is designed to rest on flat ground and be used as a mounting point for 3M™ DBI-SALA® Flexiguard™ Modular Jib System M100.
- 1.3 STANDARDS:** The H-Base conforms to the national or regional standar(s) identified on the front cover of these instructions. If this product is resold outside the original country of destination, the re-seller must provide these instructions in the language of the country in which the product will be used.
- 1.4 SUPERVISION:** Installation of this equipment must be supervised by a Qualified Person¹. Use of this equipment must be supervised by a Competent Person².
- 1.5 TRAINING:** It is the responsibility of users of this equipment to understand these instructions and be trained in correct installation, use, and maintenance of this equipment. Users must be aware of the consequences of improper installation or use of this equipment. This instruction manual is not a substitute for a training program. Training must be provided on a periodic basis to ensure user proficiency.
- 1.6 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 persons³, and rescuers⁴. 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 **Qualified Person:** A person with a recognized degree, certificate, or professional standing, or who by extensive knowledge, training, and experience has successfully demonstrated their ability to solve or resolve problems relating to fall protection and rescue system to the extent required by applicable national, regional, and local regulations.
² **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.
³ **Authorized Person:** A person assigned by the employer to perform work at a location where the person could be exposed to a fall hazard.
⁴ **Rescuer:** A person using the rescue system to perform an assisted rescue.

1.7 AFTER A FALL: If this equipment is subjected to fall arrest or impact forces, remove it from service immediately. Clearly tag it "DO NOT USE." See Section 5 for more information.

2.0 INSTALLATION

2.1 Assemble Steel Outrigger Base: See Figure 3. Position the Main Center Base in the desired location. Set the two Outrigger Legs in place and attach with the supplied 1/2" hardware. Torque hardware to 60 ft-lb (81 N-m).

2.2 Install Drive Over Guards : See Figure 4. Position the drive over guards. Attach with the supplied 3/8" hardware. Torque hardware to 45 ft-lb (61 N-m).

2.3 INSTALL THE M100 JIB BOOM ON THE BASE: See Figure 5. Lower the M100 Jib Boom onto the Hitch Ball Post of the H-Base.

1. LUBRICATING THE MAST : See Figure 6. Apply grease to the grease fitting located on the Mast.

2.4 TRANSPORTING THE SYSTEM: See Figure 7. The system may be transported using the Lifting Channels (B) located at the bottom of the base. Before transporting, position the upright in the desired angle. Lower the Locking Pin (A) to lock the rotation of the Jib Boom during transport.

Do not transport the system without the Rotation Lock Pin inserted.

Do not transport at speeds exceeding 5 mph (8 kph).

When transporting the System, be aware of overhead obstructions and electrical hazards which may result in serious injury or death.

3.0 USE

3.1 BEFORE EACH USE: Verify that your work area and Fall Protection system meet all criteria defined in these instructions. Verify that a formal Rescue Plan is in place. Inspect the system per the 'User' inspection points defined in the "Inspection and Maintenance Log" (Table 2). If inspection reveals an unsafe or defective condition, or if there is any doubt about its condition for safe use, remove the system from service immediately. Clearly tag the system "DO NOT USE." See Section 4 for more information.

3.2 POSITIONING THE SYSTEM: See Figure 8. Place the H-Base on a level resting structure meeting the strength requirements called out in Table 1. Using the Level Indicators, check that the resting structure slope is within plus or minus 1° from vertical in both directions of the base.

3.3 SAFE WORKING RADIUS: The safe working radius of the Jib Base does not extend beyond the length of the Jib Base itself. See Figure 9 for reference. When using the M100 Jib System, the user should remain within the indicated Safe Working Zone (A). Leaving the Safe Working Zone to an Outside Location (B) is dangerous and could result in serious injury or death. When working on either side of the M100 Jib System, keep the anchor point as close overhead as possible. If a rotation stop is in place on the jib mount, never work past that rotation stop. See the User Instructions for the M100 Jib Boom (5908371) for more information.

4.0 INSPECTION

After product has been removed from service, it may not be returned to service until a Competent Person confirms in writing that it is acceptable to do so.

4.1 INSPECTION FREQUENCY: The H-Base shall be inspected by the user before each use and, additionally, by a Competent Person other than the user at intervals of no more than one year⁵. Inspection procedures are described in the "Inspection and Maintenance Log." Results of each Competent Person inspection should be recorded on copies of the "Inspection and Maintenance Log."

4.2 DEFECTS: If the H-Base cannot be returned to service because of an existing defect or unsafe condition, then either destroy the system or contact 3M or a 3M-authorized service center about possible repair.

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

5.0 MAINTENANCE, SERVICING, and STORAGE

5.1 CLEANING: Periodically clean the H-Base with a soft brush, warm water, and a mild soap solution. Ensure parts are thoroughly rinsed with clean water.

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

5.2 SERVICE: Only 3M or parties authorized in writing by 3M may make repairs to this equipment.

5.3 STORAGE: If applicable, store the H-Base 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.

6.0 LABELS and MARKINGS

It is recommended that this product is marked with the date of next or last inspection, if applicable.

Figure 10 illustrates labels on the H-Base. Labels must be replaced if they are not fully legible.

<p>Ⓐ</p>	<p>Warning Label: 1) CE Certification 2) Read Instructions 3) Company Logo 4) CE Certification and OSHA Certification 5) Safe Working Radius 6) Maximum Weights of H-Base = less than or equal to symbol 1,335 lb. (605 kg) 7) Maximum Weight of M100 Jib Boom = less than or equal to symbol 805 lb. (365 kg) 8) Maximum Weight of H-Base + M100 Jib Boom = less than or equal to symbol 2,140 lb. (970 kg) 9) Maximum Supporting Surface Slope = +/- 1°</p>
<p>Ⓑ</p>	<p>Identification Label: 1) Manufactured (Year/Month) 2) Model Number 3) Serial Number 4) Company Logo</p>

<p align="center">GLOBAL PRODUCT WARRANTY, LIMITED REMEDY AND LIMITATION OF LIABILITY</p> <p>WARRANTY: THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.</p> <p>Unless otherwise provided by local laws, 3M fall protection products are warranted against factory defects in workmanship and materials for a period of one year from the date of installation or first use by the original owner.</p> <p>LIMITED REMEDY: Upon written notice to 3M, 3M will repair or replace any product determined by 3M to have a factory defect in workmanship or materials. 3M reserves the right to require product be returned to its facility for evaluation of warranty claims. This warranty does not cover product damage due to wear, abuse, misuse, damage in transit, failure to maintain the product or other damage beyond 3M's control. 3M will be the sole judge of product condition and warranty options.</p> <p>This warranty applies only to the original purchaser and is the only warranty applicable to 3M's fall protection products. Please contact 3M's customer service department in your region for assistance.</p> <p>LIMITATION OF LIABILITY: TO THE EXTENT PERMITTED BY LOCAL LAWS, 3M IS NOT LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO LOSS OF PROFITS, IN ANY WAY RELATED TO THE PRODUCTS REGARDLESS OF THE LEGAL THEORY ASSERTED.</p>	<p align="center">GARANTIE PRODUIT INTERNATIONALE, RECOURS LIMITÉ ET LIMITATION DE LA RESPONSABILITÉ</p> <p>GARANTIE : LES DISPOSITIONS SUIVANTES SONT PRISES EN LIEU ET PLACE DE TOUTES LES GARANTIES OU CONDITIONS, EXPRESSES OU IMPLICITES, Y COMPRIS LES GARANTIES OU CONDITIONS IMPLICITES DE QUALITÉ MARCHANDE OU D'ADAPTATION À UN USAGE SPÉCIFIQUE.</p> <p>À moins d'un conflit avec une législation locale, les produits antichute de 3M sont garantis contre les défauts de fabrication en usine et de matériaux pendant une période d'un an à compter de la date d'installation ou de la première utilisation par le propriétaire initial.</p> <p>RECOURS LIMITÉ : Sur demande écrite à 3M, 3M s'engage à réparer ou remplacer tout produit considéré par 3M comme souffrant d'un défaut de fabrication en usine ou de matériaux. 3M se réserve le droit d'exiger que le produit lui soit retourné pour une évaluation de la réclamation au titre de la garantie. Cette garantie ne couvre pas les dommages du produit liés à l'usage, aux abus, à la mauvaise utilisation, aux dommages liés aux transports, au manque d'entretien du produit ou tout autre dommage indépendant du contrôle de 3M. 3M sera l'unique juge de la condition du produit et des options de la garantie.</p> <p>Cette garantie ne s'applique qu'au propriétaire initial et elle constitue l'unique garantie s'appliquant aux produits antichute de 3M. Veuillez contacter le service à la clientèle 3M de votre région pour obtenir de l'assistance.</p> <p>LIMITATION DE LA RESPONSABILITÉ : DANS LES MESURES PERMISES PAR LA LÉGISLATION LOCALE, 3M N'EST PAS RESPONSABLE POUR TOUT DOMMAGE INDIRECT, ACCESSOIRE, SPÉCIFIQUE OU CONSÉCUTIF, Y COMPRIS, MAIS SANS S'Y LIMITER, LA PERTE DE PROFITS, LIÉE DE QUELQUE MANIÈRE QUE CE SOIT AUX PRODUITS, MALGRÉ LA THÉORIE JURIDIQUE REVENDIQUÉE.</p>
<p align="center">GLOBALE PRODUKTGARANTIE, BESCHRÄNKTES RECHTSMITTEL UND HAFTUNGSBESCHRÄNKUNG</p> <p>GARANTIE: FOLGENDES GILT STELLVERTRETEND FÜR ALLE GARANTIEN ODER BEDINGUNGEN, EINSCHLIESSLICH STILLSCHWEIGENDE ANGENOMMENER GARANTIEN ODER BEDINGUNGEN HINSICHTLICH DER TAUGLICHKEIT ODER EIGNUNG FÜR EINEN BESTIMMTEN ZWECK.</p> <p>Soweit gesetzlich nicht anders vorgeschrieben, werden bei 3M-Produkten für die Absturzsicherung werksseitige Mängel bei Verarbeitung und Material für einen Zeitraum von einem Jahr ab dem Datum der Installation oder der erstmaligen Benutzung durch den ursprünglichen Eigentümer garantiert.</p> <p>BESCHRÄNKTES RECHTSMITTEL: Nach schriftlicher Mitteilung an 3M wird 3M jedes Produkt ersetzen oder austauschen, bei dem durch 3M ein werksseitiger Material- oder Verarbeitungsfehler festgestellt wird. 3M behält sich das Recht vor, die Rücksendung des Produkts an das Werk zur Beurteilung der Garantieansprüche zu verlangen. Unter dieser Garantie sind keine Schäden am Produkt gedeckt, die auf Verschleiß, Missbrauch, Transportschäden, Versäumnis der Instandhaltung des Produkts oder sonstige außerhalb der Kontrolle von 3M liegende Schäden zurückzuführen sind. 3M trifft allein die Entscheidung über Produktzustand und Garantieoptionen.</p> <p>Diese Garantie gilt ausschließlich für den ursprünglichen Käufer und ist die einzige, die für Absturzschutzprodukte von 3M maßgeblich ist. Kontaktieren Sie bitte die Kunden-Service-Abteilung, um Unterstützung zu erhalten.</p> <p>HAFTUNGSBESCHRÄNKUNG: SOWEIT NACH GELTENDEM RECHT ZULÄSSIG, IST 3M NICHT HAFTBAR FÜR UNMITTLBARE, MITTELBARE, BESONDERE SCHÄDEN ODER FOLGESCHÄDEN JEDER ART, EINSCHLIESSLICH VON VERLUST VON GEWINN, DER IM ZUSAMMENHANG MIT DEN PRODUKTEN ENTSTEHT, UNGEACHTET DER ANGEFÜHRTEN RECHTSTHEORIE.</p>	<p align="center">GARANZIA GLOBALE SUL PRODOTTO, RIMEDIO LIMITATO E LIMITAZIONE DI RESPONSABILITÀ</p> <p>GARANZIA: LA SEGUENTE GARANZIA SOSTITUISCE TUTTE LE GARANZIE O CONDIZIONI, ESPRESSE O IMPLICITE, COMPRESSE LE GARANZIE O CONDIZIONI IMPLICITE DI COMMERCIALITÀ O IDONEITÀ PER UN PARTICOLARE SCOPO.</p> <p>Salvo ove diversamente specificato dalle leggi locali, i prodotti di protezione anticaduta 3M sono garantiti da difetti di fabbricazione e dei materiali per un periodo di un anno dalla data di installazione o di primo utilizzo da parte del proprietario originale.</p> <p>RIMEDIO LIMITATO: previa comunicazione scritta a 3M, 3M riparerà o sostituirà qualsiasi prodotto in cui 3M avrà individuato un difetto di fabbricazione o dei materiali. 3M si riserva il diritto di richiedere la restituzione del prodotto all'impianto per la valutazione della richiesta di risarcimento in garanzia. La presente garanzia non copre i danni al prodotto causati da usage, abuso, utilizzo errato, trasporto o mancata manutenzione del prodotto o altri danni avvenuti fuori dal controllo di 3M. 3M è la sola che potrà giudicare le condizioni del prodotto e le opzioni di garanzia.</p> <p>La presente garanzia è valida solo per l'acquirente originale ed è l'unica applicabile ai prodotti di protezione anticaduta 3M. Per assistenza, contattare il Servizio Clienti di 3M della propria area.</p> <p>LIMITAZIONE DI RESPONSABILITÀ: NELLA MISURA CONSENTITA DALLE LEGGI LOCALI, 3M NON RISPONDE DI EVENTUALI DANNI INDIRETTI, INCIDENTALI, SPECIALI O CONSEGUENZIALI COMPRESI, SENZA LIMITAZIONE, DANNI PER PERDITA DI PROFITTO, IN QUALSIASI MODO COLLEGATI AI PRODOTTI INDIPENDENTEMENTE DALLA TEORIA LEGALE ASSERTITA.</p>
<p align="center">GARANTÍA GLOBAL DE PRODUCTO, COMPENSACIÓN LIMITADA Y LIMITACIÓN DE RESPONSABILIDAD</p> <p>GARANTÍA: LAS SIGUIENTES DISPOSICIONES PREVALERÁN SOBRE CUALQUIER GARANTÍA O CONDICIÓN, EXPRESA O IMPLÍCITA, INCLUIDAS LAS CONDICIONES O GARANTÍAS IMPLÍCITAS DE COMERCIALIZACIÓN O IDONEIDAD PARA UN FIN ESPECÍFICO.</p> <p>Salvo que la legislación local estipule lo contrario, los productos de protección contra caídas de 3M están garantizados contra defectos de fabricación de mano de obra y materiales durante un periodo de un año a partir de la fecha de instalación o del primer uso por parte del propietario original.</p> <p>COMPENSACIÓN LIMITADA: Tras recibir comunicación por escrito, 3M reparará o sustituirá los productos que considere que tienen un defecto de fabricación de mano de obra o materiales. 3M se reserva el derecho a solicitar la devolución del producto a sus instalaciones para evaluar las reclamaciones de garantía. Esta garantía no cubre los daños en el producto resultantes de desgaste, mal uso, uso indebido, daños durante el tránsito, mantenimiento inapropiado del producto o daños que escapen al control de 3M. 3M será el único con derecho a determinar el estado del producto y las opciones de garantía.</p> <p>Esta garantía puede ser utilizada únicamente por el comprador original y es la única que cubre los productos de protección contra caídas de 3M. Si necesita ayuda, póngase en contacto con el departamento de servicios de atención al cliente de 3M.</p> <p>LIMITACIÓN DE RESPONSABILIDAD: EN LA MEDIDA QUE LO PERMITA LA LEGISLACIÓN LOCAL, 3M NO SE RESPONSABILIZARÁ DE LOS DAÑOS INDIRECTOS, FORTUITOS, ESPECIALES O RESULTANTES, INCLUIDA LA PÉRDIDA DE GANANCIA, RELACIONADOS DE MANERA ALGUNA CON LOS PRODUCTOS, INDEPENDIENTEMENTE DE LOS FUNDAMENTOS LEGALES QUE SE ALEGUEN.</p>	<p align="center">GLOBAL PRODUKTGARANTI, BEGRÄNSAD KOMPENSATION OCH BEGRÄNSAD ANSVARSKYLDIGHET</p> <p>GARANTI: FÖLJANDE GÄLLER SOM ERSÄTTNING FÖR ALLA GARANTIER ELLER VILLKOR, UTTRYCKLIGA ELLER UNDERFÖRSTÅDDA, INKLUSIVE UNDERFÖRSTÅDDA GARANTIER ELLER VILLKOR FÖR SÄLJBARHET ELLER LÄMPLIGHET FÖR ETT VISST ÄNDAMÅL.</p> <p>Såvida inte annat stipuleras i lokala lagar, garanteras 3M:s fallskyddsprodukter mot fabriktionsfel avseende tillverkning och material under en period av ett år från datum för ursprunglig ägares installation eller första användning.</p> <p>BEGRÄNSAD KOMPENSATION: Efter skriftlig avisering till 3M, kommer 3M att reparera eller byta ut varje produkt, som av 3M fastställts vara behäftad med fabriktionsfel vad gäller tillverkning eller material. 3M förbehåller sig rätten att kräva att produkt returneras till företagets anläggning för utvärdering av garantianspråk. Denna garanti omfattar inte produktskada till följd av slitage, felaktig användning, missbruk, skada under transport, underlåtenhet att sköta produkten eller annan skada utom 3M:s kontroll. 3M är ensam bedömare av produktskick och garantialternativ.</p> <p>Denna garanti avser enbart den ursprungliga köparen och är den enda garanti som gäller för 3M:s fallskyddsprodukter. Kontakta 3M:s kundtjänstavdelning i din region för assistans.</p> <p>BEGRÄNSNING AV ANSVARSKYLDIGHET: I DEN OMFATTNING SOM TILLÅTS AV LOKALA LAGAR, ANSVARAR 3M INTE FÖR NÅGRA INDIREKTA, OFÖRUTSEDDA, SPECIELLA ELLER FÖLJDSKADOR, INKLUSIVE MEN INTE BEGRÄNSAT TILL FÖRLUST AV VINSTER, VILKA PÅ NÅGOT SÄTT HÄNFÖRTS TILL PRODUKTERNA, OAVSETT HÄVDAD RÄTTSLIG GRUND.</p>
<p align="center">WERELDWIJDE PRODUCTGARANTIE, BEPERKTE VERHAALSMOGELIJKHEID EN BEPERKING VAN AANSPRAKELIJKHEID</p> <p>GARANTIE: DE VOLGENDE BEPALING VERVANGT ALLE GARANTIES OF VOORWAARDEN, EXPLICIET OF IMPLICIET, INCLUSIEF DE IMPLICIETE GARANTIES OF VOORWAARDEN VAN VERKOOPBAARHEID OF GESCHIKTHEID VOOR EEN BEPAALD DOEL.</p> <p>Tenzij anders is bepaald door lokale wetgeving, zijn valbeschermingsproducten van 3M voorzien van een garantie op fabrieksfouten door fabricage- en materiaalgebreken gedurende een periode van één jaar na de datum van installatie of het eerste gebruik door de oorspronkelijke eigenaar.</p> <p>BEPERKTE VERHAALSMOGELIJKHEID: Na schriftelijke kennisgeving aan 3M zal 3M eender welk product repareren of vervangen waarvan 3M heeft vastgesteld dat het een fabrieksfout heeft door een fabricage- of materiaalgebrek. 3M behoudt zich het recht voor om te eisen dat het product naar zijn vestiging wordt gereetourneerd om garantieanspraken te beoordelen. Deze garantie is niet van toepassing op productschade door sluitage, oneigenlijk gebruik, misbruik, transportschade, nalatigheid bij onderhoud van het product of andere schade waarover 3M geen controle heeft. 3M zal als enige oordelen over de toestand van het product en garantieopties.</p> <p>Deze garantie is alleen van toepassing op de oorspronkelijke koper en is de enige garantie die van toepassing is op valbeschermingsproducten van 3M. Neem contact op met de klantendienst van 3M voor uw regio als u assistentie wenst.</p> <p>BEPERKING VAN AANSPRAKELIJKHEID: VOOR ZOVER TOEGESTAAN DOOR LOKALE WETGEVING, IS 3M NIET AANSPRAKELIJK VOOR ENIGE INDIREKTE, INCIDENTELE, SPECIALE OF GEVOLGSCHADE, INCLUSIEF, MAAR NIET BEPERKT TOT, WINSTVERLIES, DIE OP ENIGE WIJZE VERBAND HOUDT MET DE PRODUCTEN, ONGEACHT DE RECHTSLEER DIE WORDT AANGEHAALD.</p>	<p align="center">GLOBAL PRODUKTGARANTI, BEGRENSET AVHJELP OG BEGRENSNING AV ERSTATNINGANSVAR</p> <p>GARANTI: DET FØLGENDE KOMMER I STEDET FOR ALLE GARANTIER ELLER VILKÅR, UTTRYKKELIGE ELLER UNDERFORSTÅTTE, INKLUDERT DE UNDERFORSTÅTTE GARANTIENE ELLER VILKÅRENE OM SALGBARHET ELLER EGNETHET FOR ET BESTEMT FORMÅL.</p> <p>Med mindre annet er bestemt av lokale lover, er 3Ms fallsikringsprodukter garantert mot fabriktionsfeil i håndverksmessig utførelse og materialer for en periode på ett år fra installasjonsdatoen eller første bruk av den opprinnelige eieren.</p> <p>BEGRENSET AVHJELP: Ved skriftlig melding til 3M, vil 3M reparere eller erstatte ethvert produkt som av 3M fastslås å ha en fabriktionsfeil i håndverksmessig utførelse eller materialer. 3M forbeholder seg retten til å kreve at produktet blir levert tilbake til fabrikken for evaluering av garantikrav. Denne garantien dekker ikke produktskade grunnet slitasje, misbruk, skade i transit, unnlatelse av å vedlikeholde produktet eller annen skade utenfor 3Ms kontroll. 3M vil være den eneste til å bedømme produktvilkår og garantialternativer.</p> <p>Denne garantien gjelder kun den opprinnelige kjøperen og er den eneste garantien som er henvedelig for 3Ms fallsikringsprodukter. Vennligst kontakt 3Ms kundeserviceavdeling i ditt område for hjelp.</p> <p>BEGRENSNING AV ERSTATNINGANSVAR: I DEN UTSTREKNING DET ER TILLATT AV LOKALE LOVER, ER IKKE 3M ERSTATNINGANSVARLIG FOR NOEN SOM HELST INDIREKTE, HENDELIGE, SPESIELLE ELLER FØLGEMESSIGE SKADER INKLUDERT, MEN IKKE BEGRENSET TIL TAP AV FORTJENESTE, PÅ NOEN SOM HELST MÅTE FORBUNDET MED PRODUKTENE, UAVHENGET AV HVILKEN JURIDISK TEORI SOM PÅBEROPES.</p>
<p align="center">GLOBAL PRODUKTGARANTI, BEGRÆNSEDE RETSMIDLER OG BEGRÆNSNING AF GARANTIFORPLIGTELSE</p> <p>GARANTI: FØLGENDE ERSTATTER ALLE GARANTIER ELLER BETINGELSER, UDTRYKKELIGE ELLER UNDERFORSTÅEDE, HERUNDER DE UNDERFORSTÅEDE GARANTIER ELLER BETINGELSER FOR SALGBARHED ELLER EGNETHED TIL ET SPECIFIKT FORMÅL.</p> <p>Bortset fra hvad der sikres ved gældende love, er 3M's produkter til faldsikring omfattet af en garanti mod fabriksdefekter i den håndværksmæssige udførelse og materialer i en periode på et år fra installationsdatoen eller den første ejers ibrugtagningsdato.</p> <p>BEGRÆNSEDE RETSMIDLER: Ved skriftlig henvendelse til 3M vil 3M reparere eller erstatte ethvert produkt, der af 3M vurderes at have en fabriksdefekt i den håndværksmæssige udførelse eller materialer. 3M forbeholder sig ret til at kræve produktet returneret til dets anlæg for at vurdere krav om garanti. Denne garanti dækker ikke skade på produktet slid, misbrug, forkeret brug, transportskade, manglende vedligeholdelse af produktet eller anden skade uden for 3M's kontrol. 3M vil alene fastslå produktets tilstand og mulighederne for garanti.</p> <p>Denne garanti gælder kun for den oprindelige køber og er den eneste garanti gældende for 3M's produkter til faldsikring. Kontakt venligst 3M's kundeserviceafdeling i dit område for at få hjælp.</p> <p>BEGRÆNSNING AF GARANTIFORPLIGTELSE: I DEN UDSTRÆKNING DET TILLADES AF LOKALE LOVE ER 3M IKKE ANSVARLIG FOR NOGEN INDIREKTE, TILFÆLDIGE, SPECIELLE ELLER PÅFØLGENDE SKADER, HERUNDER MEN IKKE BEGRÆNSET TIL TAB AF FORTJENESTE, DER PÅ NOGEN MÅDE ER RELATERET TIL PRODUKTERNE UANSET DEN UDLAGTE JURIDISKE TEORI.</p>	<p align="center">GLOBALI TUOTETAKUU, RAJATTU KORVAUS JA VASTUUNRAJOITUS</p> <p>TAKUU: SEURAAVA ON LAADITTU KAIKKIEN SUORIEN TAI EPÄSUORIEN TAKUIDEN TAI EHTOJEN SIJAAN, MUKAAN LUKIEN EPÄSUORAT TAKUUT MYNTIKELPOISUUDESTA TAI SOPIVUUDESTA TIETTYYN TARKOITUKSEEN.</p> <p>Ellei muutoin paikallisissa laeissa säädetä, 3M-putoamisenestotuotteilla on yhden vuoden takuu valmistusvirheitä ja materiaalivirheitä koskien asennuspäivästä tai alkuperäisen käyttäjän ensimmäisestä käyttöpäivästä alkaen.</p> <p>RAJATTU KORVAUS: Kirjallisella 3M:lle lähetetyllä ilmoituksella 3M korjaa tai vaihtaa kaikki tuotteet, joissa on 3M:n määrittelämä valmistus- tai materiaalivirhe. 3M pidättää oikeuden vaatia tuotetta palautettavaksi tehtäville takuuvaatimusten arvioimiseksi. Tämä takuu ei kata kulunmista, tuotteen väärinkäytöstä, kuljetusvahingoista tai tuotteen epäonnistuneesta huollosta aiheutunutta vauriota tai muuta vauriota, johon 3M ei pysty vaikuttamaan. Tuotteen kunnosta ja takuuvaihtoehtoista päätökseen tekee ainoastaan 3M.</p> <p>Tämä takuu koskee vain alkuperäistä ostajaa, ja sitä sovelletaan ainoastaan 3M:n putoamisenestotuotteisiin. Ota yhteyttä paikalliseen 3M:n asiakaspalveluun saadaksesi apua.</p> <p>VASTUUNRAJOITUS: PAIKALLISTEN LAKIEN SALLIMISSA MÄÄRIN 3M EI OLE VASTUUSSA MISTÄÄN EPÄSUORASTA, SATTUMANVARAISESTA, ERITYISESTÄ TAI AIHEUTUNEESTA VAHINGOSTA, MUKAAN LUKIEN, MUTTA SIIHEN KUITENKAAN RAJOITUMATTA, TUOTTOJEN MENETTÄMINEN, MILLÄÄN TAVALLA TUOTTEISIIN LIITTYVYEN OIKEUSTEORIASTA HUOLIMATTA.</p>



Fall Protection

USA
3833 SALA Way
Red Wing, MN
55066-5005

Distributed by Engineered Fall Protection
Sales@EngineeredFallProtection.com
www.EngineeredFallProtection.com
Tel: (314) 492-4422



EU DECLARATION OF CONFORMITY:
3M



Fall Protection

OSHA 1926.502

OSHA 1910.140

3M™ DBI-SALA® FLEXIGUARD™

M100 and M200 Jib System Rescue Kit

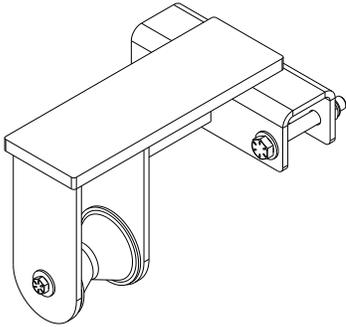
USER INSTRUCTIONS

5908376 Rev. B

1

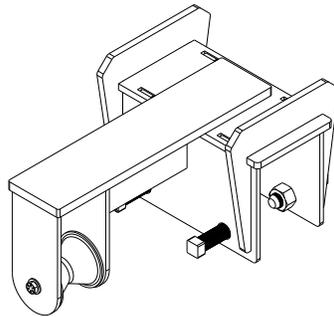
8530885

(A)

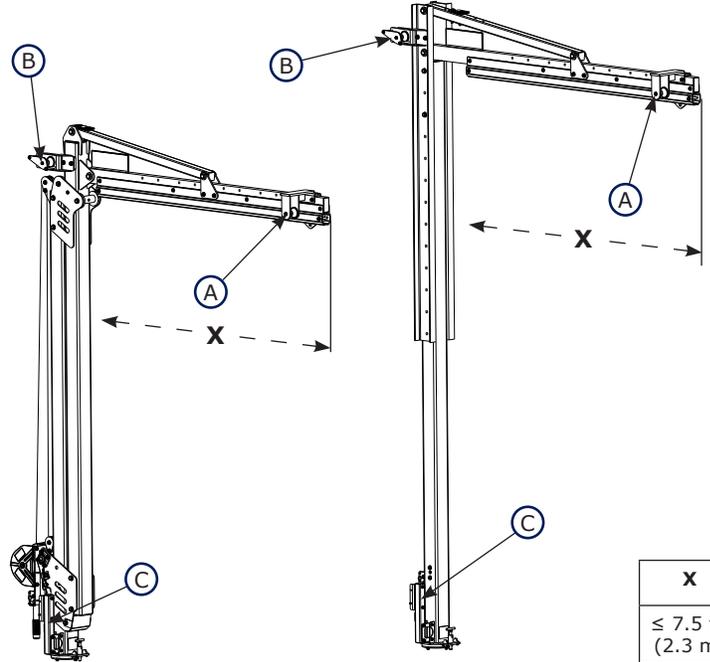


8530905

(A)

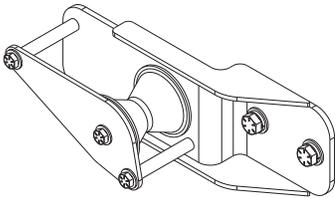


8530885

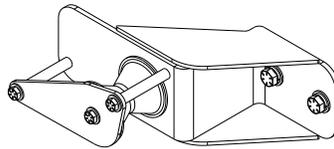


X
≤ 7.5 ft.
(2.3 m)

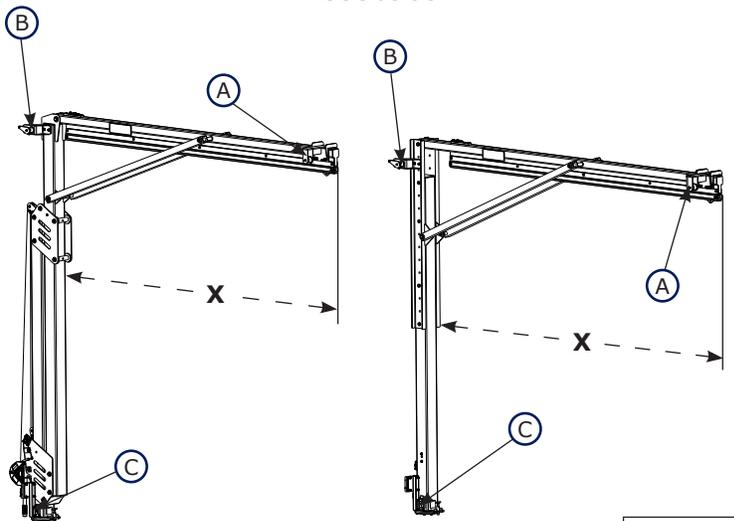
(B)



(B)

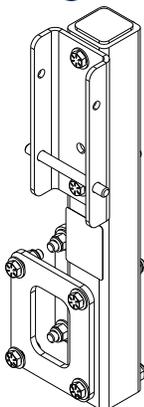


8530905

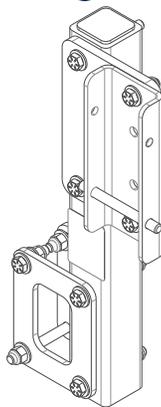


X
≤ 15.0 ft.
(4.6 m)

(C)



(C)

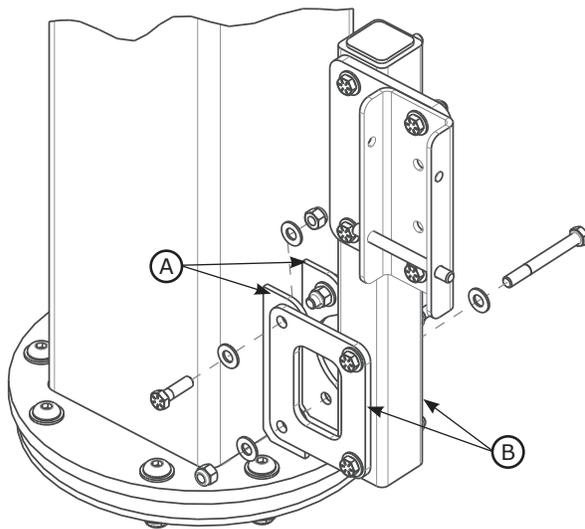
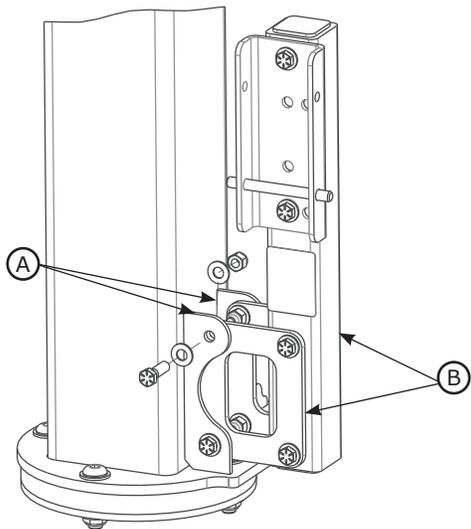


8530885

8530905

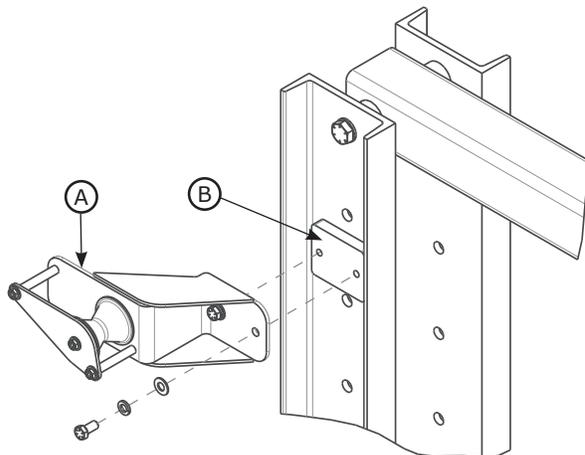
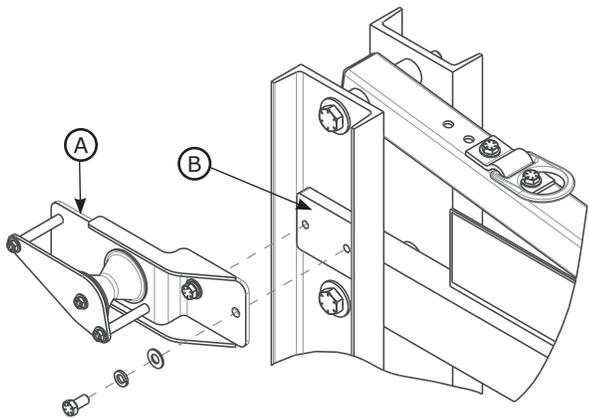
①

①



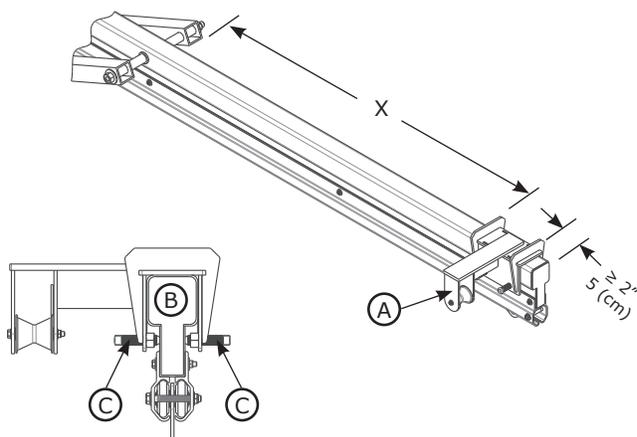
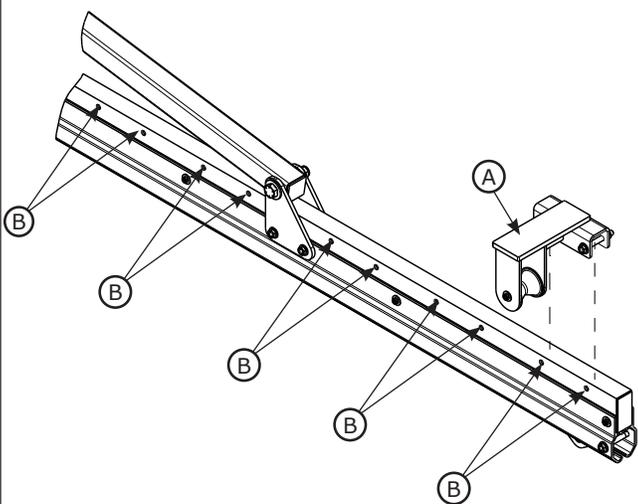
②

②



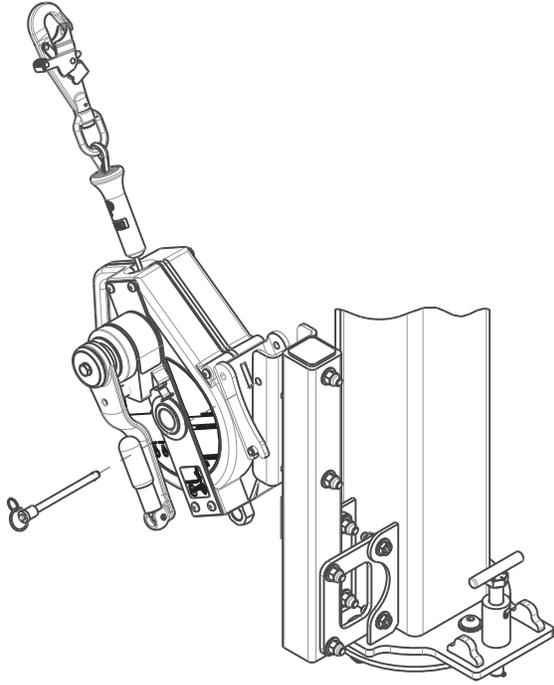
③

③



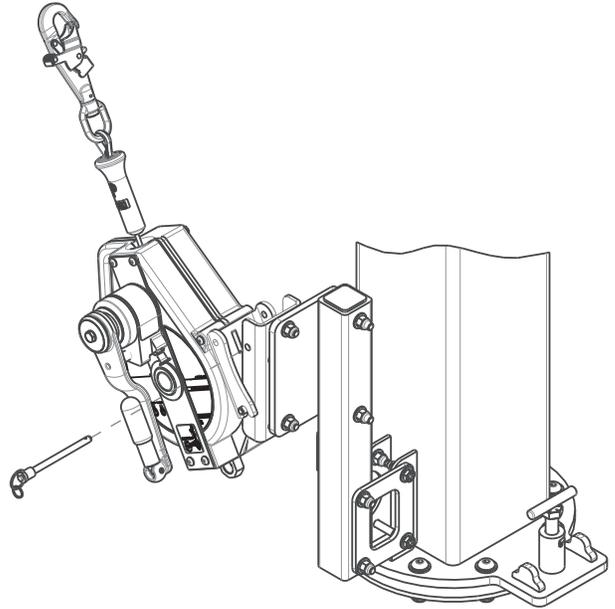
8530885

①

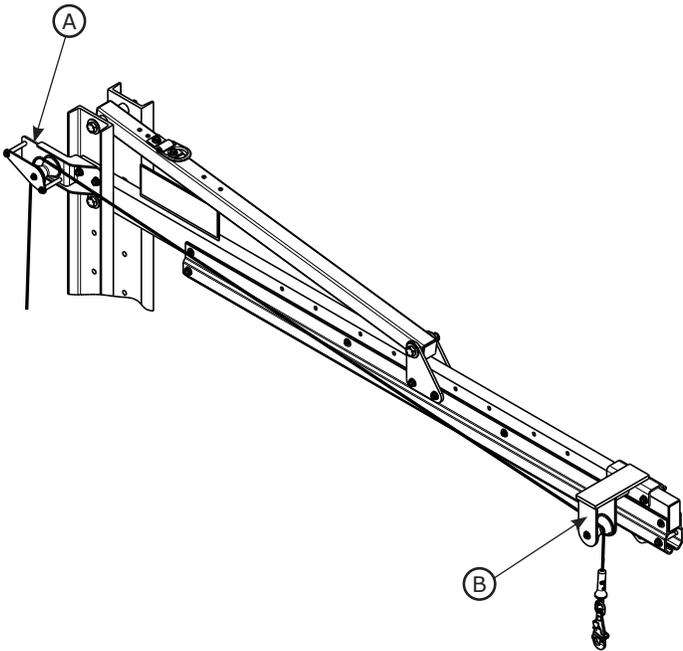


8530905

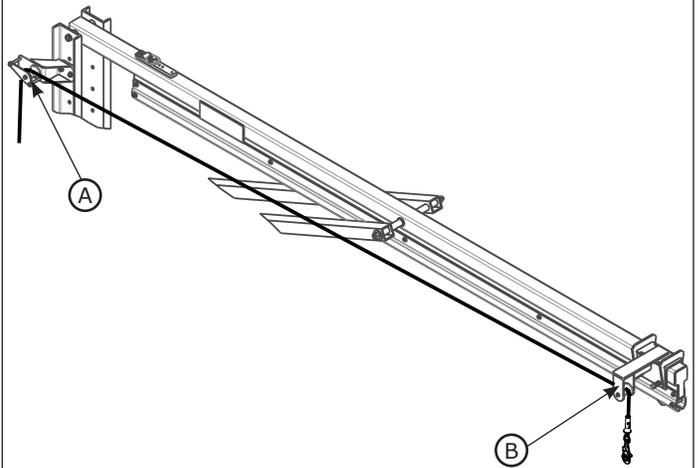
①

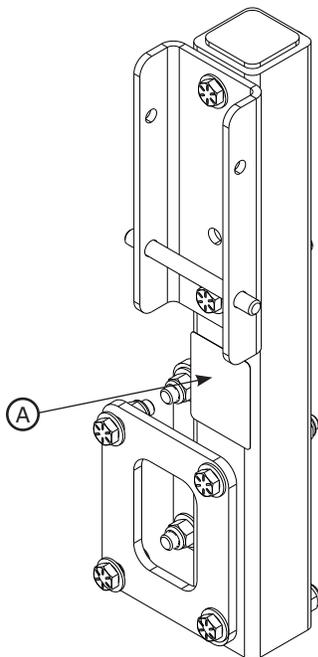
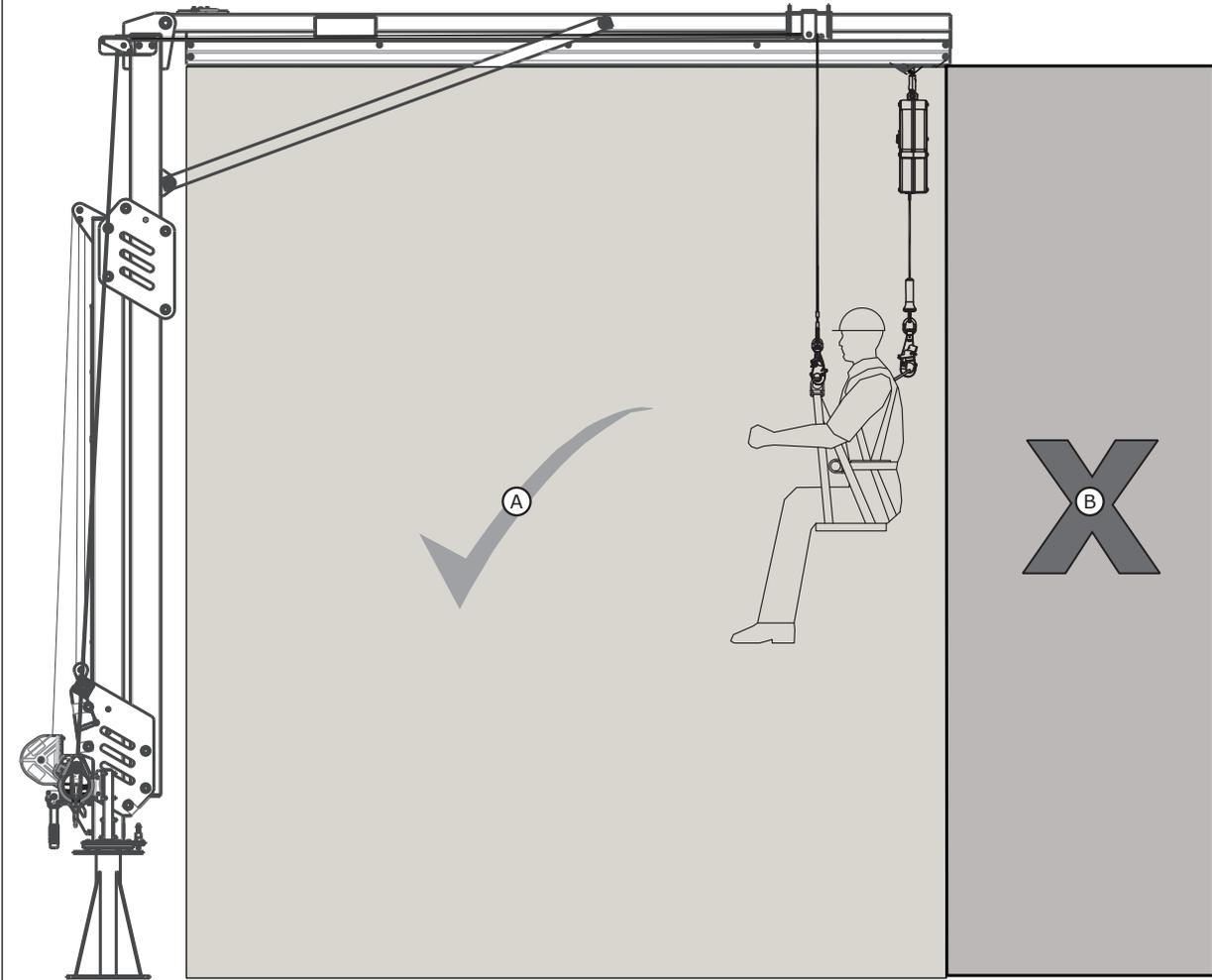


②



②





A

4 **3M**

1 Mfrd. (yr, mo)
Fabr. (aa, mm)

2 Model No.:
N° de Modelo:

3 Serial no / N° de serie:

3M.com/FallProtection
Red Wing, MN 55066, USA

9514429 Rev. B

Before using this equipment, record the product identification information from the ID label in the "Inspection and Maintenance Log" at the back of this manual.

Always ensure you are using the latest revision of your 3M instruction manual. Visit the 3M website or contact 3M Technical Services for updated instruction manuals.

Table 1 – Specifications

System Specifications:			
Capacity:	Maximum personnel capacity of 1 person with a combined weight (clothing, tools, etc.) of no more than 310 lb. (140 kg).		
Compatibility:	8530885 is compatible with 3M™ DBI-SALA® Flexiguard™ Modular Jib System M100 and 8530905 is compatible with 3M™ DBI-SALA® Flexiguard™ Modular Jib System M200. See IFU 5908371 and 5908372 for more information on use of jib systems.		
Maximum Arresting Force:	All connecting systems (SRDs, Energy Absorbing Lanyards, etc.) used with the Jib Boom must limit the Maximum Arresting Force to 1,350 lbf (6 kN).		
Supporting Structure:	See user instructions for the 3M Modular Jib Base that is being used.		
Standards:	Designed and tested to OSHA 1926.502 and OSHA 1910.140		
Component Specifications:			
Figure 1 Reference	8530885 Kit Components	8530905 Kit Components	Materials
(A)	M100–Rail Bracket	M200–Rail Bracket	Powder Coated Steel, Plastic Pulley
(B)	M100–Upright Bracket	M200–Upright Bracket	Powder Coated Steel, Plastic Pulley
(C)	M100–Winch Mount	M200–Winch Mount	Powder Coated Steel, Plastic Pulley

1.0 APPLICATIONS

- 1.1 PURPOSE:** The Jib Boom Rescue Kit adds rescue capabilities to either the M100 or M200 Jib Systems.
- 1.2 SUPERVISION:** Installation of this equipment must be supervised by a Qualified Person¹. Use of this equipment must be supervised by a Competent Person².
- 1.3 TRAINING:** It is the responsibility of users of this equipment to understand these instructions and be trained in correct installation, use, and maintenance of this equipment. Users must be aware of the consequences of improper installation or use of this equipment. This instruction manual is not a substitute for a training program. Training must be provided on a periodic basis to ensure user proficiency.
- 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 persons³, and rescuers⁴. 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 AFTER A FALL:** If the system is subjected to fall arrest or impact force, remove the system from service immediately. Clearly tag the system "DO NOT USE." See Section 4 for more information.

2.0 INSTALLATION

- 2.1 PLANNING:** Plan your Fall Protection system prior to installation of the Rescue Kit. Account for all factors that may affect your safety before, during, and after a fall. Consider all requirements, limitations, and specifications defined in Table 1 and the user instructions for the M100 or M200 Jib Boom and bases.
- 2.2 INSTALLING THE RESCUE KIT:** Figure 2 illustrates installation of the Rescue Kit on both the M100 and M200 Jib Boom. To install the Rescue Kit:
- 1. Install the Winch Mount on the Jib Mast:** Fasten the Winch Mount (B) to the Mounting Plates (A) on the Jib Mast with the provided 3/8" hardware. Torque hardware to 45 ft-lb (61 N-m).
 - 2. Install the Upright Bracket on the Jib Mast:** Fasten the Upright Bracket (A) to the Mounting Plate (B) on the Jib Mast with the provided 1/2" hardware. Ensure the Upright Bracket (A) is facing away from the rail as shown above. Torque hardware to 60 ft-lb (81 N-m).
 - 3. Install the Rail Bracket on the Jib Boom:**

8530885: Fasten the Rail Bracket (A) to the desired Mounting Holes (B) on the Rail Backbone using the 1/2" hardware provided. Torque hardware to 45 ft-lb (61 N-m).

8530905: Slide on and fasten the Rail Bracket (A) around the Rail Backbone (B) using the (4x) Clamping Screws (C), leaving a minimum of 2 in. (5 cm) of space at the end of the rail. The Rail Bracket can be mounted anywhere along

the backbone (X). Torque hardware to 45 ft-lb (61 N-m)

2.3 INSTALLING THE WINCH OR SRD: Figure 3 illustrates installation of a Winch or Self-Retracting Device with Retrieval (SRD-R) on the M100 and M200 Jib Systems. The Winch Mount in the Rescue Kit readily mounts DBI-SALA or Protecta Winches or SRD-R equipped with a Winch Mount Mating Bracket. Install the Winch or SRD on the Jib Rail FAS as follows:

- 1. Secure the Winch/SRD-R Mating Bracket on the Winch Mount:** Position the notches in the Winch/SRD Mating Bracket over the rod ends protruding from the Winch Mount and then pivot the Winch/SRD toward the Jib Mast until the holes in the Mating Bracket align with the holes in the Winch Mount. Insert the Mounting pin through the holes in the Mating Bracket and Winch Mount.
- 2. Route the Winch/SRD-R Lifeline through the Upright Rescue Bracket and Rail Mount/Arm Clamp:** Pull the Lifeline Cable up through the Upright Bracket (A) and Rail Bracket (B), making sure that the cable is resting on the rollers of the Brackets.

3.0 USE

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

3.1 BEFORE EACH USE: Verify that your work area and Fall Protection system meet all criteria defined in these instructions. Verify that a formal Rescue Plan is in place. Inspect the system per the 'User' inspection points defined in the "Inspection and Maintenance Log" (Table 2). If inspection reveals an unsafe or defective condition, or if there is any doubt about its condition for safe use, remove the system from service immediately. Clearly tag the system "DO NOT USE." See Section 4 for more information.

3.2 FALL ARREST CONNECTIONS: Figure 4 illustrates application of a Jib System equipped with the Rescue Kit and its Fall Arrest Connections. The Jib System must always be used with a Full Body Harness and Fall Arrest subsystem:

- The Self-Retracting Device (SRD) on the Rail is used as the Fall Arrest subsystem. Connect the SRD Lifeline to the Back Dorsal D-Ring on the Full Body Harness.
- Connect the Winch or SRD-R Lifeline to the Harness Sternal D-Ring, Harness Frontal D-Ring, or the designated lifting connection point on a Seat Sling, Workseat, Bosun Chair, etc.

3.3 WORKING AREA: The user must stay within the Safe Working Radius (A) of the Jib Boom and must not pass the end of the rail (B). The user must remain as directly below the Connection Eye as possible. See Figure 4 for reference. See the user instructions for the M100 Jib Boom (5908371) or M200 Jib Boom (5908372) for more information.

4.0 INSPECTION

After product has been removed from service, it may not be returned to service until a Competent Person confirms in writing that it is acceptable to do so.

4.1 INSPECTION FREQUENCY: The Rescue Kit shall be inspected by the user before each use and, additionally, by a Competent Person other than the user at intervals of no more than one year⁵. Inspection procedures are described in the "Inspection and Maintenance Log." Results of each Competent Person inspection should be recorded on copies of the "Inspection and Maintenance Log."

4.2 DEFECTS: If the Rescue Kit cannot be returned to service because of an existing defect or unsafe condition, then either destroy the system or contact 3M or a 3M-authorized service center about possible repair.

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

5.0 INSPECTION

4.1 CLEANING: Periodically clean the metal components of the Rescue Kit with a soft brush, warm water, and a mild soap solution. Ensure parts are thoroughly rinsed with clean water.

4.2 SERVICE: Only 3M or parties authorized in writing by 3M may make repairs to this equipment.

4.3 STORAGE AND TRANSPORT: If applicable, store and transport the Rescue Kit and associated Fall Protection equipment in a cool, dry, clean environment out of direct sunlight. Equipment may be transported only when it is not in use. Avoid areas where chemical vapors may exist. Thoroughly inspect components after extended storage.

6.0 LABELS AND MARKINGS

It is recommended that this product is marked with the date of next or last inspection, if applicable.

Figure 5 illustrates labels on the Rescue Kit. Labels must be replaced if they are not fully legible.

(A)	1) Manufactured (Year/Month) 2) Model Number 3) Serial Number 4) Company Logo
-----	--

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

**GLOBAL PRODUCT WARRANTY, LIMITED REMEDY
AND LIMITATION OF LIABILITY**

WARRANTY: THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Unless otherwise provided by local laws, 3M fall protection products are warranted against factory defects in workmanship and materials for a period of one year from the date of installation or first use by the original owner.

LIMITED REMEDY: Upon written notice to 3M, 3M will repair or replace any product determined by 3M to have a factory defect in workmanship or materials. 3M reserves the right to require product be returned to its facility for evaluation of warranty claims. This warranty does not cover product damage due to wear, abuse, misuse, damage in transit, failure to maintain the product or other damage beyond 3M's control. 3M will be the sole judge of product condition and warranty options.

This warranty applies only to the original purchaser and is the only warranty applicable to 3M's fall protection products. Please contact 3M's customer service department in your region for assistance.

LIMITATION OF LIABILITY: TO THE EXTENT PERMITTED BY LOCAL LAWS, 3M IS NOT LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO LOSS OF PROFITS, IN ANY WAY RELATED TO THE PRODUCTS REGARDLESS OF THE LEGAL THEORY ASSERTED.

**GARANTIE INTERNATIONALE DU PRODUIT, RECOURS LIMITÉ
ET LIMITATION DE RESPONSABILITÉ**

GARANTIE : CE QUI SUIT REMPLACE TOUTES LES GARANTIES OU CONDITIONS, EXPRESSES OU IMPLICITES, Y COMPRIS LES GARANTIES OU LES CONDITIONS IMPLICITES RELATIVES À LA QUALITÉ MARCHANDE ET À L'ADAPTATION À UN USAGE PARTICULIER.

Sauf disposition contraire de la loi, les produits de protection antichute 3M sont garantis contre tout défaut de fabrication en usine et de matériaux pour une période d'un (1) an à compter de la date d'installation ou de la première utilisation par le propriétaire initial.

RECOURS LIMITÉ : Moyennant un avis écrit à 3M, 3M réparera ou remplacera tout produit présentant un défaut de fabrication en usine ou de matériaux, tel que déterminé par 3M. 3M se réserve le droit d'exiger le retour du produit dans ses installations afin d'évaluer la réclamation de garantie. Cette garantie ne couvre pas les dommages au produit résultant de l'usure, d'un abus ou d'une mauvaise utilisation, les dommages subis pendant l'expédition, le manque d'entretien du produit ou d'autres dommages en dehors du contrôle de 3M. 3M jugera seul de l'état du produit et des options de garantie.

Cette garantie s'applique uniquement à l'acheteur initial et est la seule garantie applicable aux produits de protection antichute de 3M. Veuillez communiquer avec le service à la clientèle de 3M de votre région pour obtenir de l'aide.

LIMITATION DE RESPONSABILITÉ : DANS LES LIMITES PRÉVUES PAR LES LOIS LOCALES, 3M NE SERA TENU POUR RESPONSABLE DE TOUT DOMMAGE INDIRECT, ACCESSOIRE, SPÉCIFIQUE OU CONSÉCUTIF INCLUANT, SANS S'Y LIMITER, LA PERTE DE PROFIT, LIÉS DE QUELQUE MANIÈRE AUX PRODUITS, QUELLE QUE SOIT LA THÉORIE LÉGALE INVOQUÉE.

**GARANTÍA GLOBAL DEL PRODUCTO, REPARACIONES LIMITADAS
Y LIMITACIÓN DE RESPONSABILIDAD**

GARANTÍA: EL SIGUIENTE TEXTO SIRVE A MODO DE GARANTÍA O CONDICIÓN, EXPLÍCITA O IMPLÍCITA, E INCLUYE LAS GARANTÍAS O CONDICIONES IMPLÍCITAS DE COMERCIABILIDAD O APTITUD PARA UN PROPÓSITO ESPECÍFICO.

A menos que las leyes locales indiquen lo contrario, los productos de protección contra caídas 3M tienen garantía por defectos de fábrica en la mano de obra y en los materiales durante un período de un año desde la fecha de instalación o desde el primer uso del propietario original.

REPARACIONES LIMITADAS: 3M reparará o reemplazará un producto si determina que tiene un defecto de fábrica en la mano de obra o en los materiales y tras haber recibido una notificación por escrito sobre el presunto defecto. 3M se reserva el derecho de exigir la devolución del producto a sus instalaciones para evaluar los reclamos sobre la calidad. Esta garantía no cubre los daños ocasionados por el desgaste, el abuso, el mal mantenimiento, o como consecuencia del traslado del producto, u otros daños ajenos al control de 3M. 3M será el único capaz de determinar la condición del producto y las opciones de la garantía.

Esta garantía solo se aplica al comprador original y es la única garantía válida para los productos de protección contra caídas 3M. Comuníquese con el departamento de servicio al cliente de 3M de su región para obtener ayuda.

LIMITACIÓN DE RESPONSABILIDAD: EN LA MEDIDA PERMITIDA POR LAS LEYES LOCALES, 3M NO SERÁ RESPONSABLE DE LOS DAÑOS INDIRECTOS, IMPREVISTOS, ESPECIALES O CONSECUENTES; ENTRE ELLOS, LA PÉRDIDA DE INGRESOS RELACIONADOS DE CUALQUIER MANERA CON LOS PRODUCTOS, INDEPENDIENTEMENTE DE LA TEORÍA JURÍDICA QUE SE PUDIERA INVOCAR.



Fall Protection

USA
3833 SALA Way
Red Wing, MN 55066-5005

Distributed by Engineered Fall Protection
Sales@EngineeredFallProtection.com
www.EngineeredFallProtection.com
Tel: (314) 492-4422



EU DECLARATION OF CONFORMITY:
3M



Fall Protection

OSHA 1910.140
OSHA 1926.502

**3M™ DBI-SALA® Flexiguard™
Modular Jib Systems
M100/M200 Rescue Kit**

**TECHNICAL DATA SHEET PACK
5908527 REV. B**

Technical Data Sheet	Description	Page
8530885	M100 Modular Jib System Rescue Kit Overview	2
8550354	M100 Winch Mount Bracket	3
8550142	M100 Upright Bracket	4
8550151	M100 Rail Bracket	5
8530905	M200 Modular Jib System Rescue Kit Overview	6
8550355	M200 Winch Mount Bracket	7
8550144	M200 Upright Bracket	8
8550147	M200 Rail Bracket	9

M100 Modular Jib System Rescue Kit

Technical Data Sheet: 8530885



Fall Protection

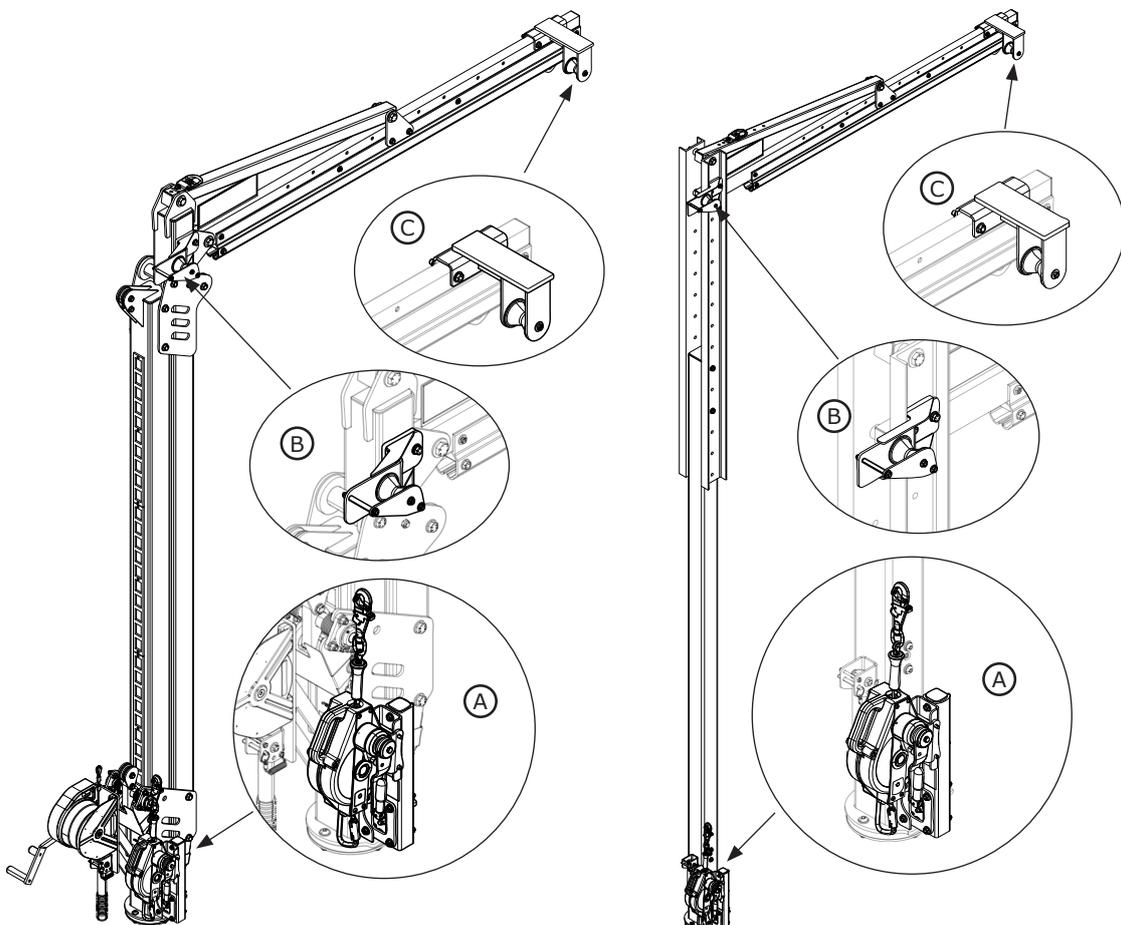
APPLICATION:

The M100 Modular Jib System Rescue Kit includes accessories to the M100 Modular Jib System that allow the system to be used for Rescue applications.

Refer to the listed data sheets for component specifications.

For more information on product installation, refer to the 3M instruction manual for the Rescue Kit (5908376).

	Component	Tech Data Sheet
(A)	M100 Winch Mount Bracket	8550354
(B)	M100 Upright Bracket	8550142
(C)	M100 Rail Bracket	8550151



System Specifications:	
Standards:	The Modular Jib System Rescue Kit is designed and tested to meet the requirements of OSHA 1910.140 and OSHA 1926.502.
Capacity:	Maximum capacity of 1 person with a combined weight (clothing, tools, etc.) of no more than 310 lb. (140 kg).
Maximum Arresting Force:	All SRDs used with the Modular Jib System Rescue Kit must limit the Maximum Arresting Force to 1,350 lbf (6 kN).

M100 Winch Mount Bracket

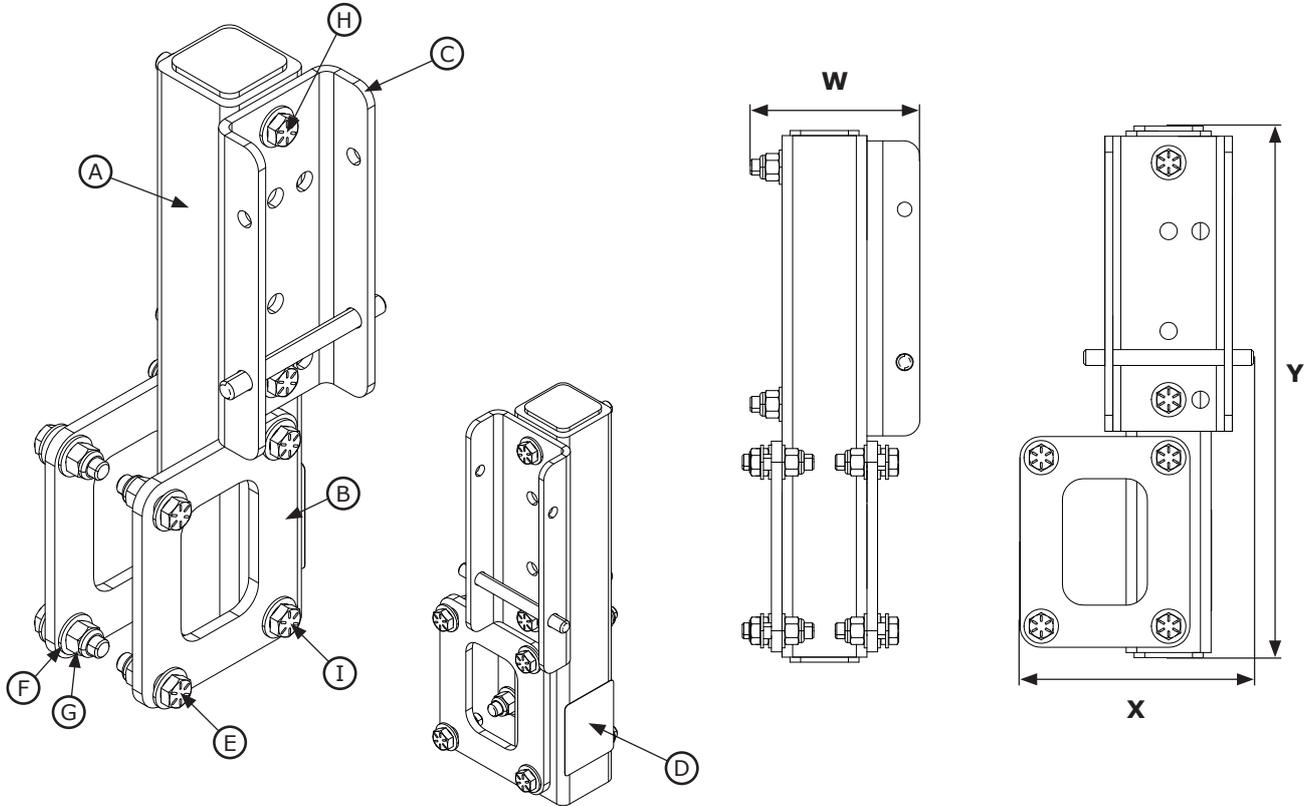
Technical Data Sheet: 8550354



Fall Protection

APPLICATION:

The Winch Mount Bracket is secured to the Jib Boom by means of the Offset Plates (B) at the bottom of the Bracket. A Rescue Winch may then be mounted to the Winch Mount (C) of the Bracket.



Part Specifications:

W	4.18 in. (10.62 cm)
X	5.50 in. (13.97 cm)
Y	12.61 in. (32.0 cm)

Net Weight
9.0 lb. (4.08 kg)

Component Specifications:

	Part Number	Component	Material	Quantity		Part Number	Component	Material	Quantity
(A)	8550134	Winch Mount Weldment	Steel	1	(F)	9500826	3/8" Washer	Steel	16
(B)	9515147	Offset Plate	Steel	2	(G)	9505716	3/8" Nut	Steel	8
(C)	8510207	Winch Mount	Steel	1	(H)	8519272	3/8" x 3" Bolt	Steel	2
(D)	9514429	Label	Polyester	1	(I)	8519939	3/8" x 3-1/4" Bolt	Steel	2
(E)	9500983	3/8" x 1-1/4" Bolt	Steel	4					

M100 Upright Bracket

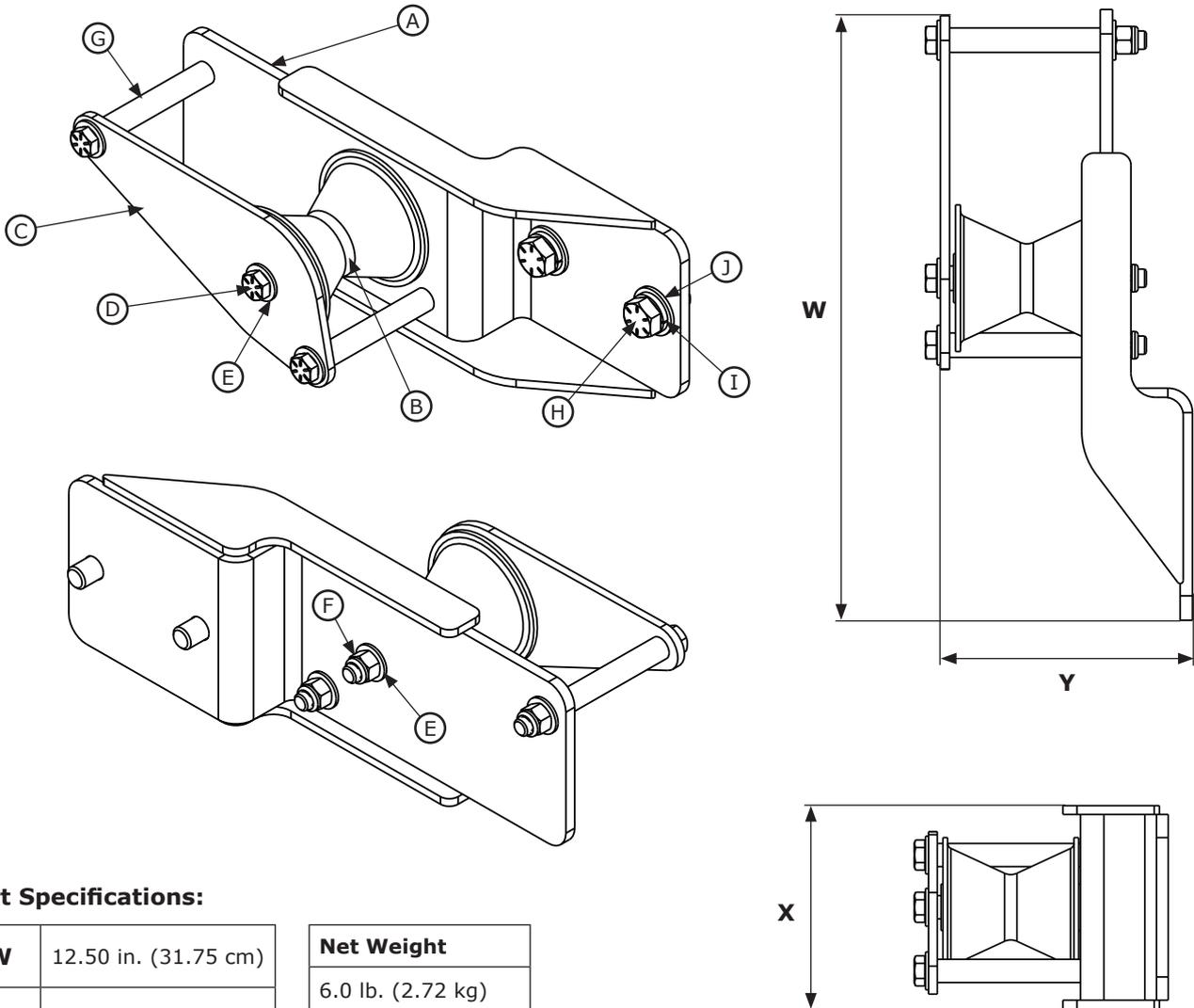
Technical Data Sheet: 8550142



Fall Protection

APPLICATION:

The Weldment (A) is secured to the Jib Boom by means of the 1/2" x 1" Bolts (H). The lifeline of the Rescue Winch is then threaded over the top of the Pulley (B) and onto the M100 Rail Bracket.



Part Specifications:

W	12.50 in. (31.75 cm)
X	5.42 in. (13.77 cm)
Y	4.38 in. (11.13 cm)

Net Weight
6.0 lb. (2.72 kg)

Component Specifications:

	Part Number	Component	Material	Quantity		Part Number	Component	Material	Quantity
(A)	8550141	Upright Bracket Weldment	Steel	1	(F)	9505716	3/8" Nut	Steel	3
(B)	9514612	Pulley	Plastic	1	(G)	8515157	Spacer	Stainless steel	3
(C)	9515153	Side Plate	Steel	1	(H)	8518432	1/2" x 1" Bolt	Steel	2
(D)	9512389	3/8" x 4-1/4" Bolt	Steel	3	(I)	9504221	1/2" Lock Washer	Steel	2
(E)	9500826	3/8" Washer	Steel	6	(J)	8510037	1/2" Washer	Steel	2

M100 Rail Bracket

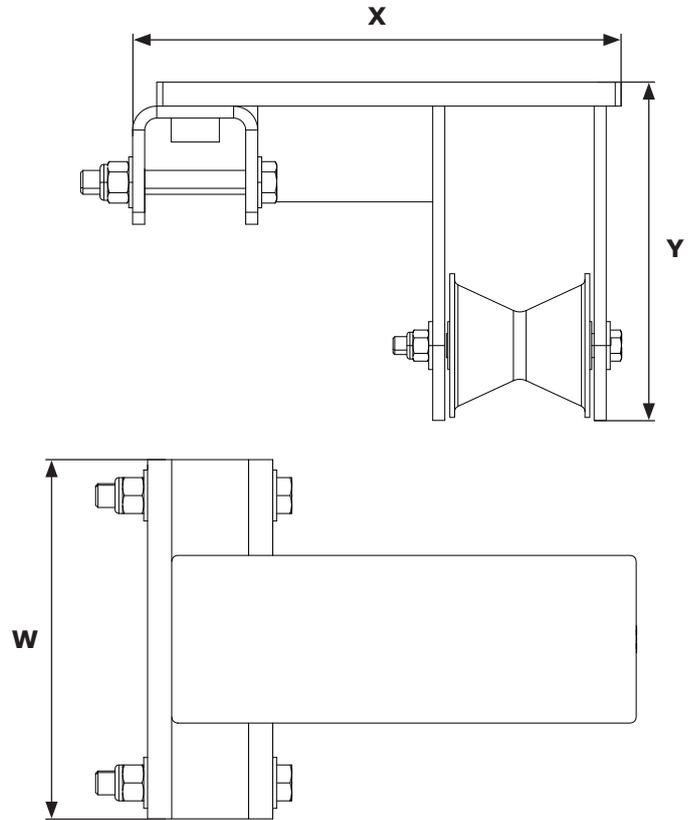
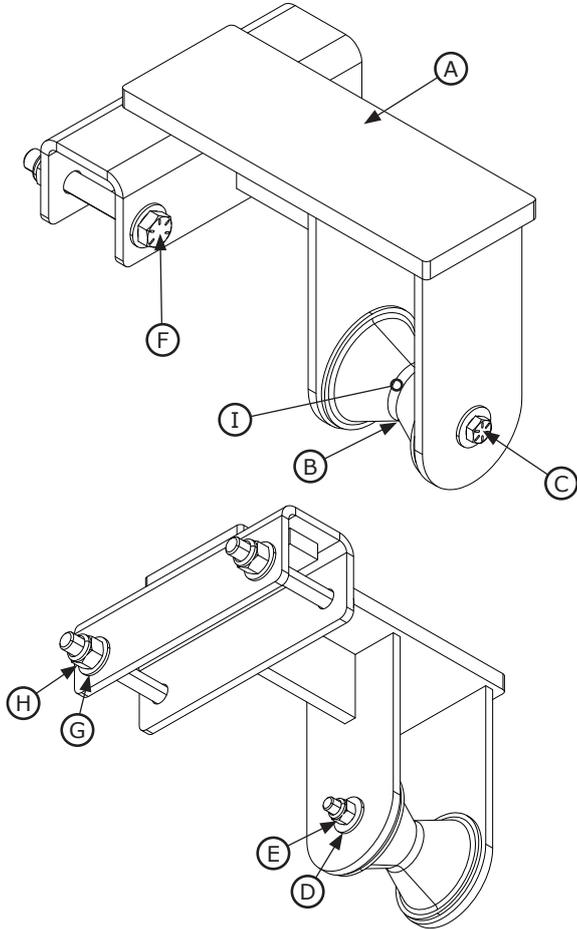
Technical Data Sheet: 8550151



Fall Protection

APPLICATION:

The Rail Mount (A) connects to the Rail Assembly of the Jib Boom. The lifeline of the Rescue Winch is threaded over the Pulley (B) and down to the user.



Part Specifications:

W	7.50 in. (19.05 cm)
X	11.19 in. (28.42 cm)
Y	7.06 in. (17.93 cm)

Net Weight
10.0 lb. (4.54 kg)

Component Specifications:

	Part Number	Component	Material	Quantity
(A)	8550150	Rail Mount Weldment	Steel	1
(B)	9514612	Pulley	Plastic	1
(C)	8522180	3/8" x 4-1/2" Bolt	Steel	1
(D)	9503645	3/8" Washer	Steel	2
(E)	9505716	3/8" Nut	Steel	1

	Part Number	Component	Material	Quantity
(F)	8512454	1/2" x 3-3/4" Bolt	Steel	2
(G)	8510037	1/2" Washer	Steel	4
(H)	9501831	1/2" Nut	Steel	2
(I)	8515157	Spacer	Stainless steel	1

M200 Modular Jib System Rescue Kit

Technical Data Sheet: 8530905



Fall Protection

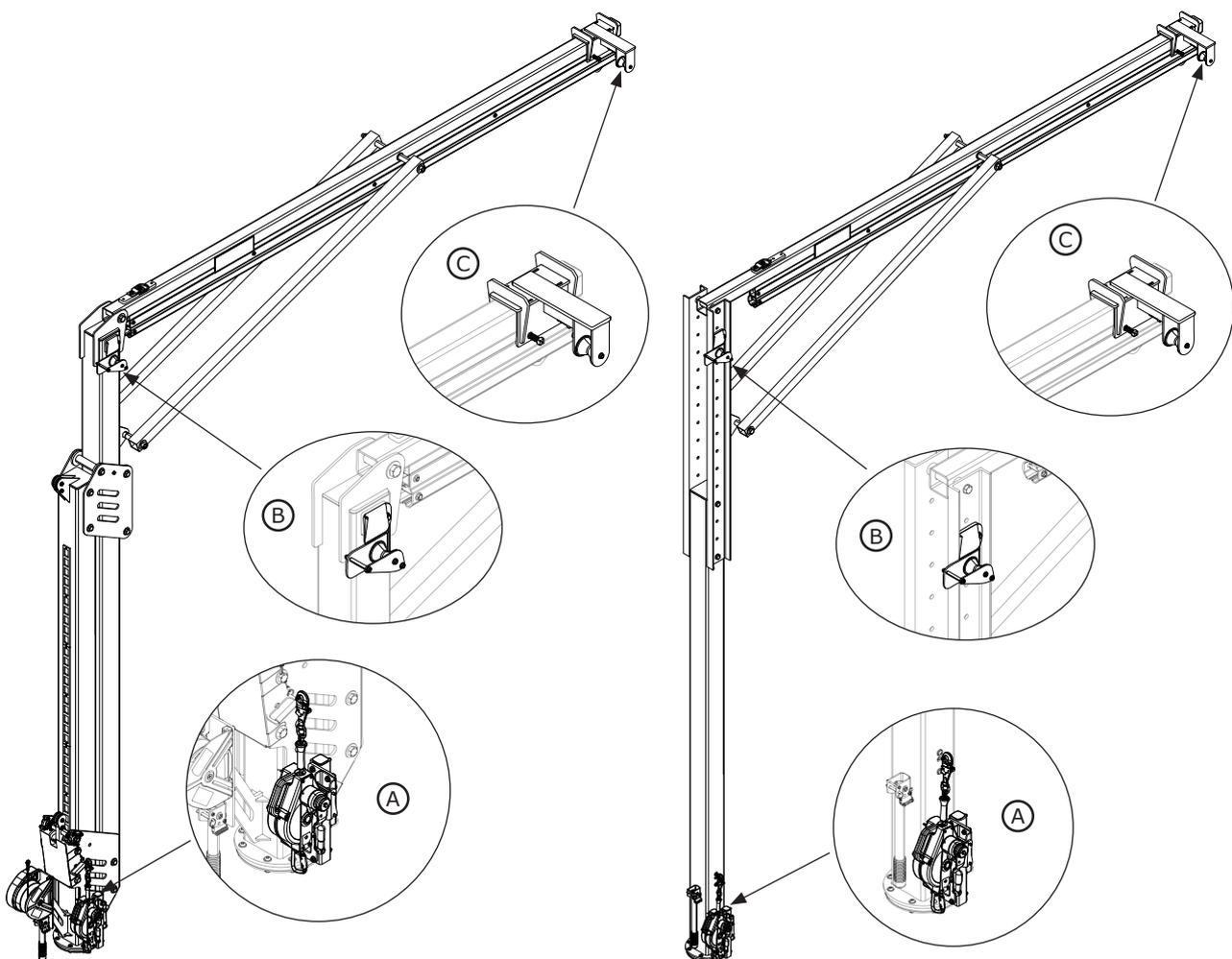
APPLICATION:

The M200 Modular Jib System Rescue Kit includes accessories to the M200 Modular Jib System that allow the system to be used for Rescue applications.

Refer to the listed data sheets for component specifications.

For more information on product installation, refer to the 3M instruction manual for the Rescue Kit (5908376).

	Component	Tech Data Sheet
(A)	M200 Winch Mount Bracket	8550355
(B)	M200 Upright Bracket	8550144
(C)	M200 Rail Bracket	8550147



System Specifications:	
Standards:	The Modular Jib System Rescue Kit is designed and tested to meet the requirements of OSHA 1910.140 and OSHA 1926.502.
Capacity:	Maximum capacity of 1 person with a combined weight (clothing, tools, etc.) of no more than 310 lb. (140 kg).
Maximum Arresting Force:	All SRDs used with the Modular Jib System Rescue Kit must limit the Maximum Arresting Force to 1,350 lbf (6 kN).

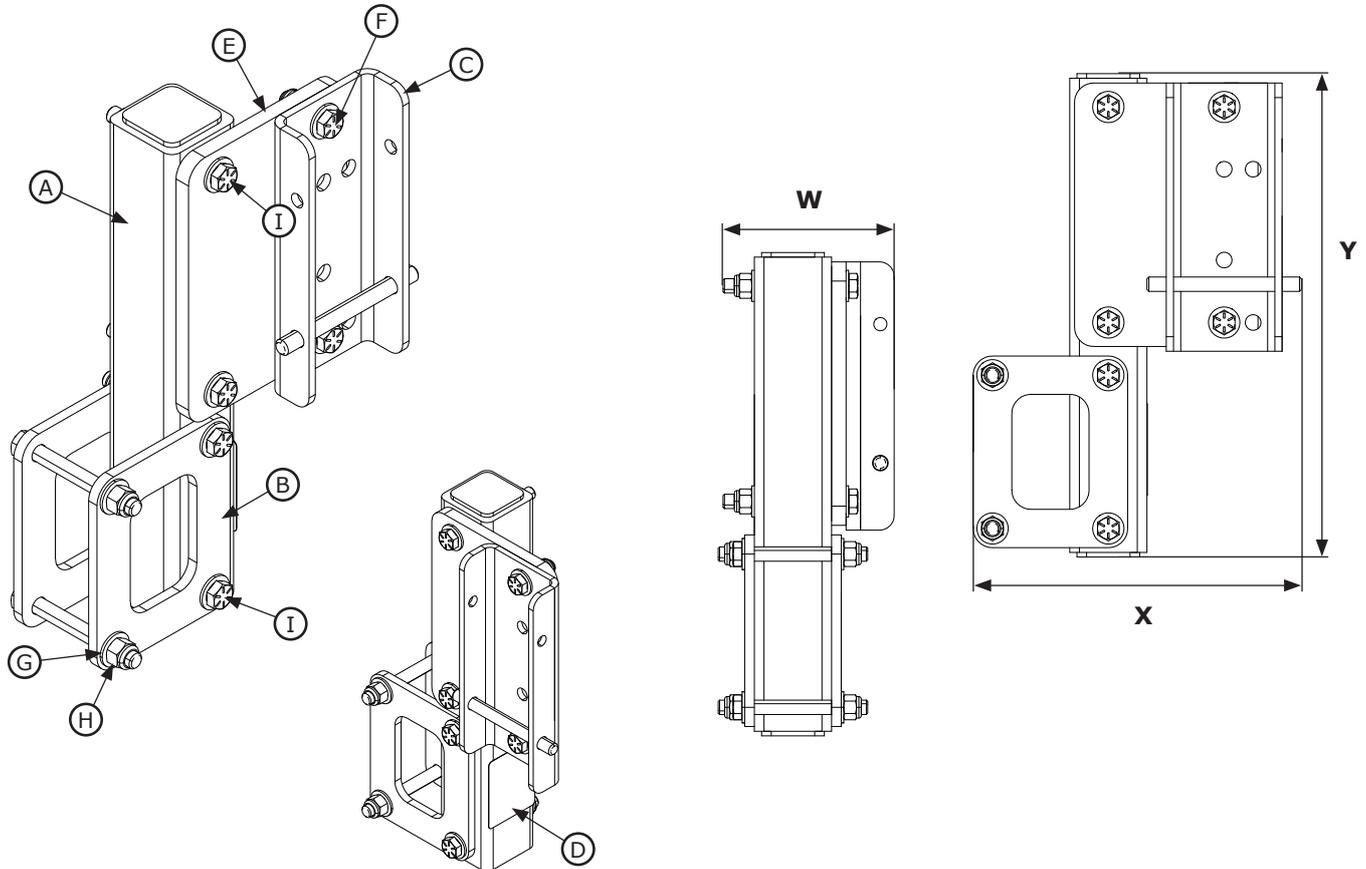
M200 Winch Mount Bracket

Technical Data Sheet: 8550355



APPLICATION:

The Winch Mount Bracket is secured to the Jib Boom by means of the Offset Plates (B) at the bottom of the Bracket. A Rescue Winch may then be mounted to the Winch Mount (C) of the Bracket.



Part Specifications:

W	4.50 in. (11.43 cm)
X	8.50 in. (21.59 cm)
Y	12.61 in. (32.0 cm)

Net Weight
12.0 lb. (5.44 kg)

Component Specifications:

	Part Number	Component	Material	Quantity
(A)	8550134	Winch Mount Weldment	Steel	1
(B)	9515147	Offset Plate	Steel	2
(C)	8510207	Winch Mount	Steel	1
(D)	9514429	Label	Polyester	1
(E)	9515083	Winch Offset	Steel	1

	Part Number	Component	Material	Quantity
(F)	9500983	3/8" x 1-1/4" Bolt	Steel	2
(G)	9500826	3/8" Washer	Steel	16
(H)	9505716	3/8" Nut	Steel	8
(I)	8519939	3/8" x 3-1/4" Bolt	Steel	6

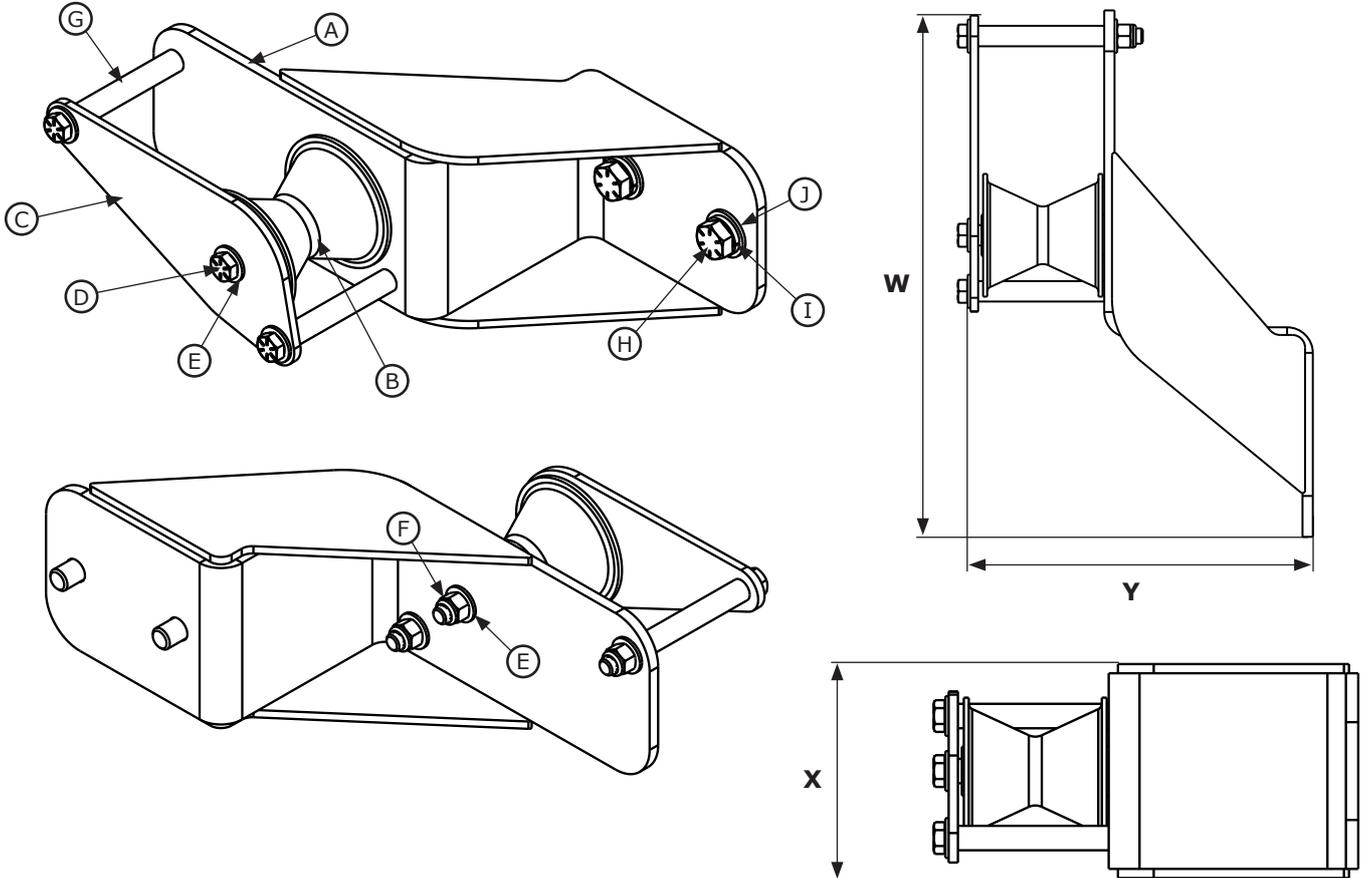
M200 Upright Bracket

Technical Data Sheet: 8550144



APPLICATION:

The Weldment (A) is secured to the Jib Boom by means of the 1/2" x 1" Bolts (H). The lifeline of the Rescue Winch is then threaded over the top of the Pulley (B) and onto the M200 Rail Bracket.



Part Specifications:

W	12.88 in. (32.72 cm)
X	4.38 in. (11.13 cm)
Y	8.61 in. (21.87 cm)

Net Weight
8.0 lb. (3.63 kg)

Component Specifications:

	Part Number	Component	Material	Quantity		Part Number	Component	Material	Quantity
(A)	8550143	Upright Bracket	Steel	1	(F)	9505716	3/8" Nut	Steel	3
(B)	9514612	Pulley	Plastic	1	(G)	8515157	Spacer	Stainless steel	3
(C)	9515153	Side Plate	Steel	1	(H)	8518432	1/2" x 1" Bolt	Steel	2
(D)	9512389	3/8" x 4-1/4" Bolt	Steel	3	(I)	9504421	1/2" Lock Washer	Steel	2
(E)	9500826	3/8" Washer	Steel	6	(J)	8510037	1/2" Washer	Steel	2

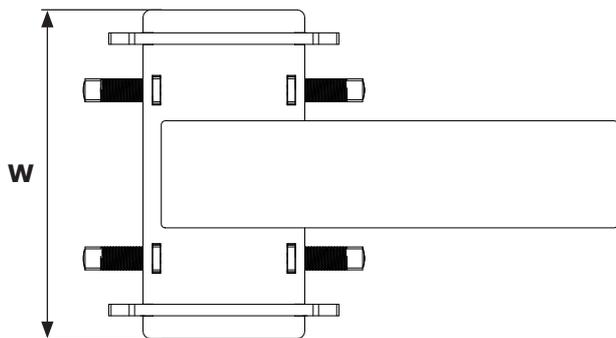
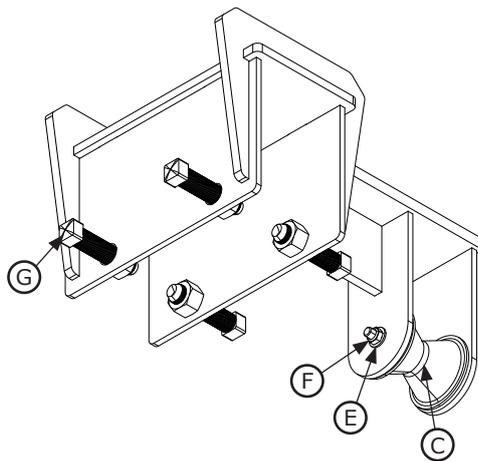
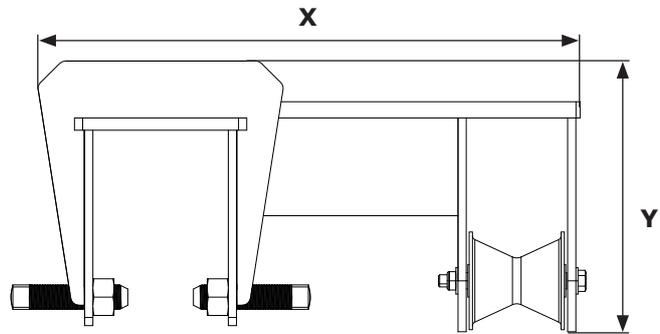
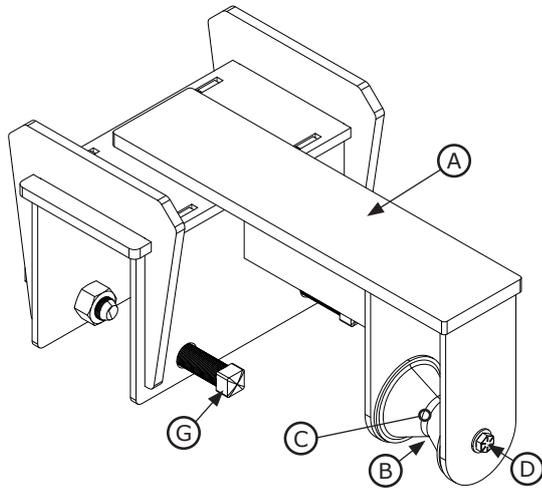
M200 Rail Bracket

Technical Data Sheet: 8550147



APPLICATION:

The Rail Mount (A) connects to the Rail Assembly of the Jib Boom. The lifeline of the Rescue Winch is threaded over the Pulley (B) and down to the user.



Part Specifications:

W	10.75 in. (27.31 cm)
X	17.50 in. (44.45 cm)
Y	8.31 in. (21.11 cm)

Net Weight
35.0 lb. (15.88 kg)

Component Specifications:

	Part Number	Component	Material	Quantity
(A)	8550146	Rail Mount Weldment	Steel	1
(B)	9514612	Pulley	Plastic	1
(C)	8515157	Spacer	Stainless steel	1
(D)	9512389	3/8" x 4-1/4" Bolt	Steel	1

	Part Number	Component	Material	Quantity
(E)	9500826	3/8" Washer	Steel	2
(F)	9504364	3/8" Nut	Steel	1
(G)	8510329	3/4" x 3" Screw	Steel	4

**GLOBAL PRODUCT WARRANTY, LIMITED REMEDY
AND LIMITATION OF LIABILITY**

WARRANTY: THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Unless otherwise provided by local laws, 3M fall protection products are warranted against factory defects in workmanship and materials for a period of one year from the date of installation or first use by the original owner.

LIMITED REMEDY: Upon written notice to 3M, 3M will repair or replace any product determined by 3M to have a factory defect in workmanship or materials. 3M reserves the right to require product be returned to its facility for evaluation of warranty claims. This warranty does not cover product damage due to wear, abuse, misuse, damage in transit, failure to maintain the product or other damage beyond 3M's control. 3M will be the sole judge of product condition and warranty options.

This warranty applies only to the original purchaser and is the only warranty applicable to 3M's fall protection products. Please contact 3M's customer service department in your region for assistance.

LIMITATION OF LIABILITY: TO THE EXTENT PERMITTED BY LOCAL LAWS, 3M IS NOT LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO LOSS OF PROFITS, IN ANY WAY RELATED TO THE PRODUCTS REGARDLESS OF THE LEGAL THEORY ASSERTED.



Fall Protection

USA
3833 SALA Way
Red Wing, MN
55066-5005

Distributed by Engineered Fall Protection
Sales@EngineeredFallProtection.com
www.EngineeredFallProtection.com
Tel: (314) 492-4422



EU DECLARATION OF CONFORMITY:
3M