



Fall Protection



EN795: 2012  
Type B

**CE Type Test**  
No. 0321  
Satra Technology Centre  
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**CE Product Quality Control**  
No. 0086  
BSI  
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Knowlhill  
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MK5 8PP  
United Kingdom

OSHA 1926:502

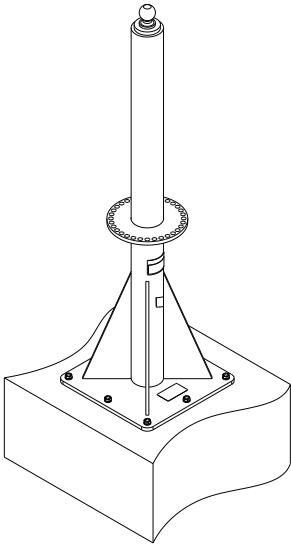
OSHA 1910:140

## FLEXIGUARD™ FLOOR MOUNT JIB BASE

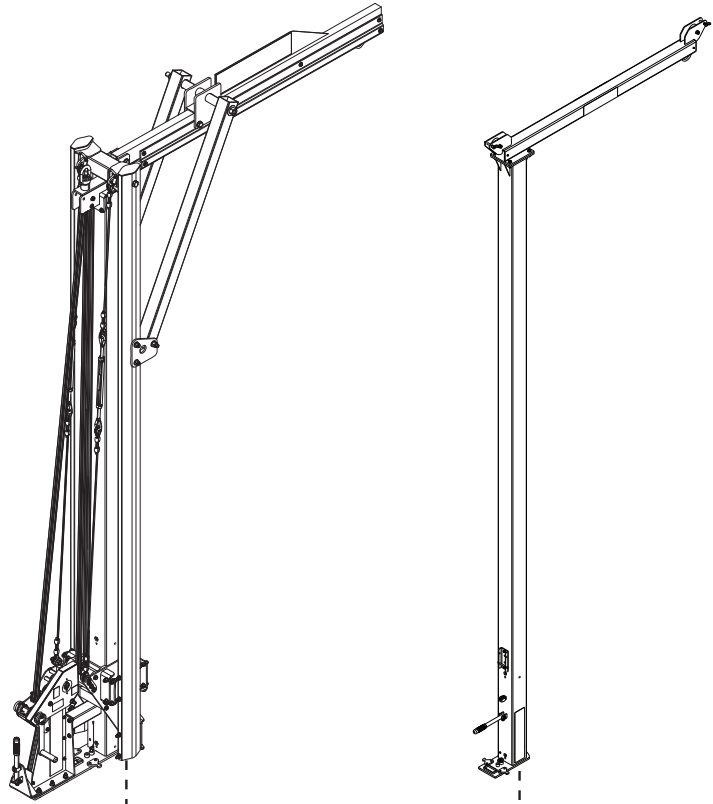
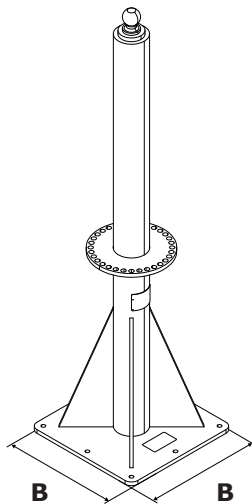
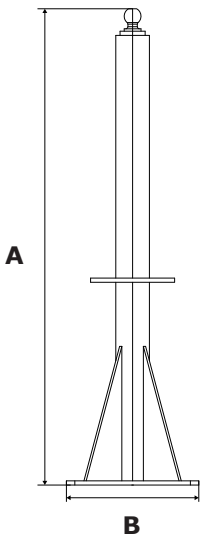
### INSTALLATION INSTRUCTIONS 5903387 Rev. F

1

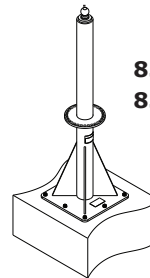
8530565, 8560023

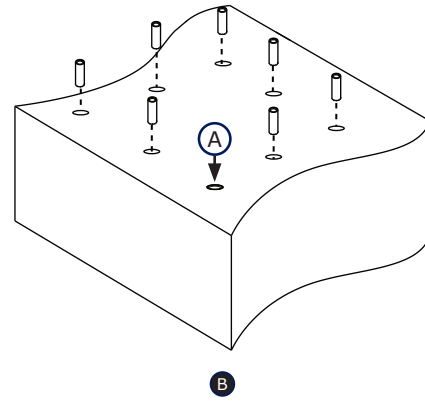
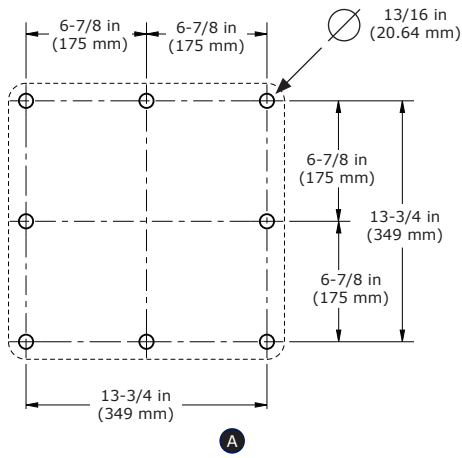


	A	B
8530565	56.67 in (143.9 cm)	15.75 in (40.0 cm)
8560023		

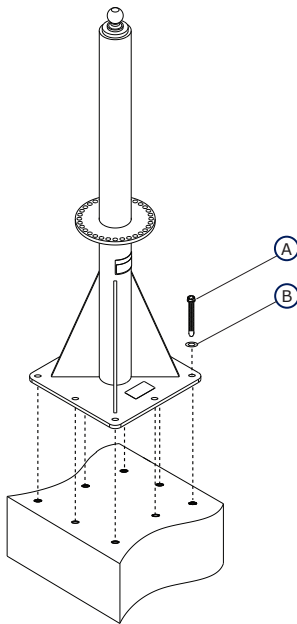


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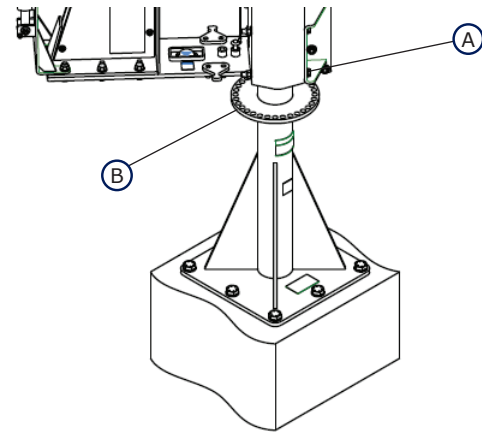




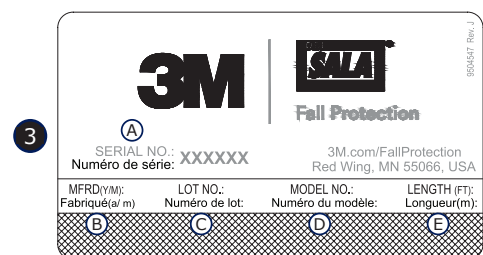
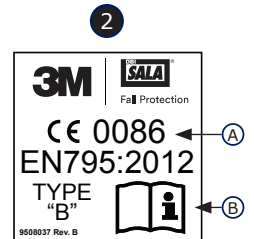
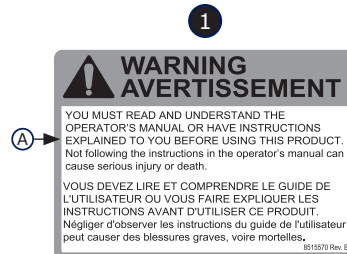
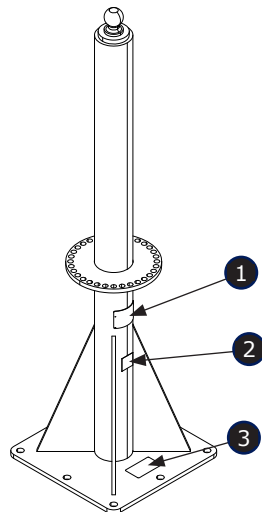
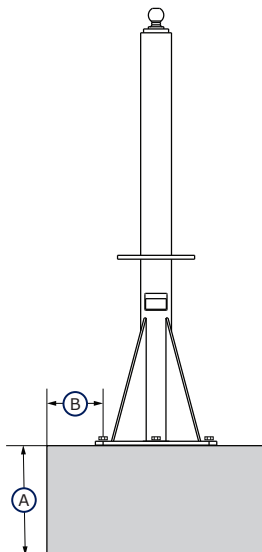
3



4



5



# SAFETY INFORMATION

EN

**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 into the inspection and maintenance log of this manual.

☒ This Jib Base can only be used with Jib Systems manufactured by 3M. Do not attempt to use the Jib Base without first consulting the user instructions for your Jib System.

**Table 1 – Specifications**

System Specifications:			
Capacity:		One person with a combined weight of no more than 310 lbs (140 kg).	
Average Arresting Force:		All connecting systems (SRDs, Energy Absorbing Lanyards, winches, etc.) used with the Floor Mount Jib Base must limit the Average Arresting Force to a maximum of 4 kN (900 lbs).	
Service Temperature:		-40°F (-40°C) Minimum Service Temperature	
Dimensions:		See Figure 1 for the dimensions of the Floor Mount Jib Base.	
Weight:		150 lbs (68 kg)	
Standards:		Designed to meet the test requirements of EN795:2012 (Type B), OSHA 1926.502, and OSHA 1910.140.	
Component Specifications:			
Component		Materials	
General Construction		Welded Steel	
Structural Material		A36 Steel	
Finish		Sherwin Williams, N.L. Yellow, PYS8-C8589 Powder Coat	
Mounting Requirements:			
Model Number	Minimum Fastener Pullout Force	Mounting Structure Minimum Moment Load	Mounting Structure Minimum Vertical Load
8530565	10,800 lbs (48.0 kN)	37,000 ft-lbs (50.2 kN-m)	3,000 lbs (13.4 kN)
8560023	14,410 lbs (64.1 kN)	49,534 ft-lbs (67.2 kN-m)	3,900 lbs (17.4 kN)
<input checked="" type="checkbox"/> See the fastener manufacturer's specifications for fastener requirements.			

## 1.0 APPLICATION

- 1.1 PURPOSE:** The Floor Mounted Jib Base is designed for use as a component of a Personal Fall Arrest System (PFAS). PFAS are used where free fall is possible before the fall is arrested and typically include: a Self Retracting Device (EN 360) or Energy Absorbing Lanyard (EN 355); connector (EN 362) to attach to the anchor; and a Full Body Harness (EN 361).
- 1.2 DESCRIPTION:** The Floor Mounted Jib Base (Figure 1) is an anchor point for overhead applications. The Floor Mounted Jib Base is designed for use with a vertical mast being inserted into a concrete mounted base.
- 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 AFTER A FALL:** If the Jib Base is subjected to the forces of arresting a fall, it must be removed from service immediately, clearly marked "DO NOT USE", and then either destroyed or forwarded to 3M for replacement or repair.

## 2.0 INSTALLATION:

- 2.1 ANCHORAGE AND FASTENERS:** Concrete anchors and mounting hardware are not included. Mounting hardware must meet the minimum requirements provided in Table 1.
- 2.2 INSTALLATION STEPS:** Mount the Jib Base and then install the Jib Boom in the Jib Base:
- Mark anchor holes to be drilled per Figure 2A layout.
    - See Figure 5 for reference. Ensure that the Jib 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 (A) according to the fastener manufacturer's depth specifications. (See Figure 2B.)
    - Remove debris from the drilled holes.
  - Install the Jib Base (See Figure 3.) :
    - Make sure the mounting surface is free of any debris before setting the Jib base in place.
    - Make sure the core holes are free of any debris before inserting anchor bolts.
    - Fasten the Jib Base to the mounting structure per the fastener manufacturer's installation instructions.
  - Install the Jib Mast in the Jib Base. (See Figure 4.)
    - Lower the Jib Mast until it is fully lowered on the Jib Base. Insert the Locking Pin (A) through the Locking Hole (B) to lock the rotation of the Jib Mast.

### 3.0 INSPECTION:

- 3.1 INSPECTION FREQUENCY:** The Jib Base shall be inspected by the User before each use and, additionally, by a Competent Person<sup>1</sup> other than the user at intervals of no longer than one year.<sup>2</sup> Results of each Competent Person inspection should be recorded on copies of the "Inspection and Maintenance Log".
- 3.2 INSPECTION STEPS:** Inspect the Jib Base per the "Inspection and Maintenance Log" located in Table 2.
- 3.3 DEFECTS:** If inspection reveals an unsafe or defective condition, or if any doubt arises about its condition for safe use, remove the Jib Base from service immediately. Clearly mark the device "DO NOT USE" and then either destroy the device or forward to 3M for replacement or repair.

☒ **Authorized Repairs Only:** Only 3M or parties authorized in writing may make repairs to this equipment.

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

### 4.0 LABELS:

Figure 6 illustrates labels on the Jib Base. All labels must be present on the Jib Base. Labels must be replaced if they are not fully legible. Information provided on each label is as follows:

1	A) You must read and understand the operator's manual or have instructions explained to you before using this product. Not following the instructions in the operator's manual can cause serious injury or death.
2	A) Notified Body and Standard Information B) Read all instructions.
3	A) Serial Number B) Manufactured Year/Month C) Lot Number D) Model Number E) Length (ft/m)

**1 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.

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



### Table 2 – Inspection and Maintenance Log

Inspection Date:		Inspected By:	
Components:	Inspection: (See Section 1 for <i>Inspection Frequency</i> )	User	Competent Person
Floor Mount Jib Base (Figure 1)	Inspect the Jib Base for structural defects or damage including bends, corrosion, etc.	<input type="checkbox"/>	<input type="checkbox"/>
	Inspect the mounting fasteners to ensure that they are tightened to the proper torque value, as specified by the fastener manufacturer.	<input type="checkbox"/>	<input type="checkbox"/>
	Periodically apply grease to the Grease Zerk (located at the bottom of the Vertical Mast) to lubricate the internal Hitch Ball Pivot.		<input type="checkbox"/>
Labels	Verify that all labels are securely attached and are legible (see ' <i>Labels</i> ').	<input type="checkbox"/>	<input type="checkbox"/>
PFAS and Other Equipment	Additional Personal Fall Arrest System (PFAS) equipment, winches, etc. that are used with the Flexiguard Fall Arrest System should be installed and inspected per the manufacturer's instructions.	<input type="checkbox"/>	<input type="checkbox"/>

[illegible]

## U.S. 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 applicable law, 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 at 800-328-6146 or via email at 3MFallProtection@mmm.com for assistance.

**LIMITATION OF LIABILITY:** TO THE EXTENT PERMITTED BY APPLICABLE LAW, 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

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WEBSITE:  
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EU DECLARATION OF CONFORMITY:  
**3M.com/FallProtection/DOC**