

**GEMTOR**<sup>TM</sup>

... when your life is on the line<sup>TM</sup>

# OWNER'S MANUAL

## Installation, Operating, Inspection and Maintenance Instructions Gemtor Sliding Beam Anchors

### Applicable Models:



SBA-141 (*shown*)  
SBA-182  
SBA-242

### **Warning**

You must read and fully understand all instructions, or have all instructions explained to you, before attempting to use this device. Equipment must not be installed, operated or inspected by anyone who does not understand these instructions. Failure to observe these instructions could result in serious injury or death. Careless or improper use of this equipment can result in serious injury or death. Training and instruction review should be repeated at regular intervals. If you have any questions regarding these instructions or need additional copies, call Gemtor toll free at 800-405-9048

This user instruction manual is not a substitute  
for a Comprehensive training program

### **IMPORTANT**

THESE INSTRUCTIONS SHOULD BE KEPT WITH THE DEVICE AT ALL TIMES.



## GENERAL DESCRIPTION

The SBA series of sliding beam anchors mount on the top or bottom flange of a horizontal structural I-Beam and are designed to follow a worker as they move along the beam. The SBA Beam Anchors easily attach to the beam by means of an automatic locking mechanism (SBA-141) or quick insert locking pins (SBA-182 & SBA-242). All models have a maximum breaking strength of 5,000 lbs. and will provide an OSHA compliant anchorage connection when attached to a suitable anchorage.

## AVAILABLE MODELS

**All models feature stainless steel jaws and high strength aluminum bars**

**SBA-141** – Automatic rotary locking system for fast attachment to I-beam, fits beams from 5 ½” – 14” wide and up to 1 ½” thick.

**SBA-182** – Quick-insert locking pin for size adjustment, fits beams from 12” – 18” wide and up to 2 ¾” thick.

**SBA-242** – Quick-insert locking pin for size adjustment, fits beams from 12” – 24” wide and up to 2 ¾” thick.

## WARNINGS AND LIMITATIONS

- Always follow all requirements of the Occupational Safety and Health Act (OSHA) and all state and local regulations.
- Always calculate the fall distance and ensure that a clear, unobstructed distance is provided under the beam to which the worker is attached (Remember to allow for system elongation and a safety margin).
- Develop a rescue plan establishing what to do if a fall occurs.
- Equipment must be used by properly trained personnel only.
- The employer shall provide a training program for each employee who might be exposed to fall hazards. The program shall enable each employee to recognize the hazards of falling and shall train each employee in the procedures to be followed in order to minimize these hazards. [OSHA 1926.503(a)(1)]. In addition, training shall include; fall protection basics, proper use of all applicable fall protection equipment and proper handling, maintenance and storage of the equipment.
- Never use the Sliding Beam Anchor for anything other than what it was designed.
- The suitability of this device for the intended use must be determined prior to use and is the sole responsibility of the employer.
- Before each use, visually inspect for physical damages, wear and corrosion. Check the beam anchor for damage, cracks, wear, corrosion, or malfunctioning parts. Inspect each system component in accordance with its associated operation and instructions manual. If the inspection reveals a problem or an ineffective condition, remove the unit from the service.
- A qualified person shall inspect the beam anchor at regular intervals. Units that do not pass inspection shall be returned to Gemtor immediately for repair, satisfactory inspections should be marked on the provided inspection log.
- Units subjected to fall arrest forces shall be immediately removed from service and not used again until the anchor is inspected by a qualified person.
- Make sure that all system components are compatible and that potential impact forces, freefall distances, and deceleration distances are within the allowances of applicable regulations.
- A full-body harness with attachment in the center of the wearer's back at or above shoulder level must be used for fall arrest.
- Always make sure that the beam surface on which the beam anchor will be used is free of any obstructions or debris to ensure proper mobility of the device.
- Ensure that the structural member to which the worker is attached is capable of sustaining the fall arrest forces (5,000 lbs. or twice the potential impact when designed, installed, and used under the supervision of a qualified person). Do not tie off to a structural beam that is less than 8” deep.
- One worker only! Never attach more than one worker to beam anchor.

## WARNINGS AND LIMITATIONS (cont.)

- Do not try to adjust, repair or modify any Gemtor product. For prompt service, please contact: Gemtor, Inc., One Johnson Avenue, Matawan, NJ 07747, Tel. 732-583-6200.
- Attach this device at or above the connection point on your harness whenever possible. If this device is connected below the attachment point, you must ensure that the system is designed for this type of attachment, can withstand the potential impact forces and can absorb a sufficient amount of fall arrest force.
- Free fall distance shall not exceed 6 ft.
- Never use the beam anchor on an open-ended beam, monorail, etc.
- Always make sure that the Beam Anchor is locked on the beam so that the fixed and moveable jaws are as close to the flange edge as possible.
- Set the automatic lock or Insert the locking pin such that a minimum of 1 ¼" bearing width is provided at either jaw.
- The Gemtor Sliding Beam Anchor is designed for attachment to an I-beam only. DO NOT USE on open web steel joists.

## TRAINING

The employer shall provide a training program for each employee who might be exposed to fall hazards. The program shall enable each employee to recognize the hazards of falling and shall train each employee in the procedures to be followed in order to minimize these hazards.[OSHA 1926.503(a)(1)]

The employer shall assure that each employee has been trained, as necessary, by a competent person qualified in the following areas:

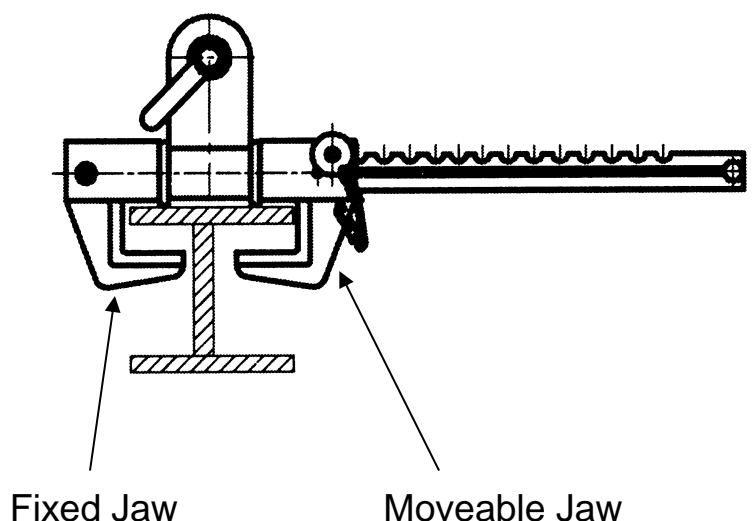
- (i) The nature of fall hazards in the work area;
- (ii) The correct procedures for erecting, maintaining, disassembling, and inspecting the fall protection systems to be used;
- (iii) The use and operation of guardrail systems, personal fall arrest systems, safety net systems, warning line systems, safety monitoring systems, controlled access zones, and other protection to be used;
- (iv) The role of each employee in the safety monitoring system when this system is used;
- (v) The limitations on the use of mechanical equipment during the performance of roofing work on low-sloped roofs;
- (vi) The correct procedures for the handling and storage of equipment and materials and the erection of overhead protection; and
- (vii) The role of employees in fall protection plans;
- (viii) The standards contained in this subpart.[OSHA1926.503(a)(2)]

The employer shall verify compliance with paragraph (a) of this section by preparing a written certification record. The written certification record shall contain the name or other identity of the employee trained, the date(s) of the training, and the signature of the person who conducted the training or the signature of the employer. If the employer relies on training conducted by another employer or completed prior to the effective date of this section, the certification record shall indicate the date the employer determined the prior training was adequate rather than the date of actual training.[OSHA 1926.503(b)(1)]

## INSTALLATION ON I-BEAM

### Models with pin

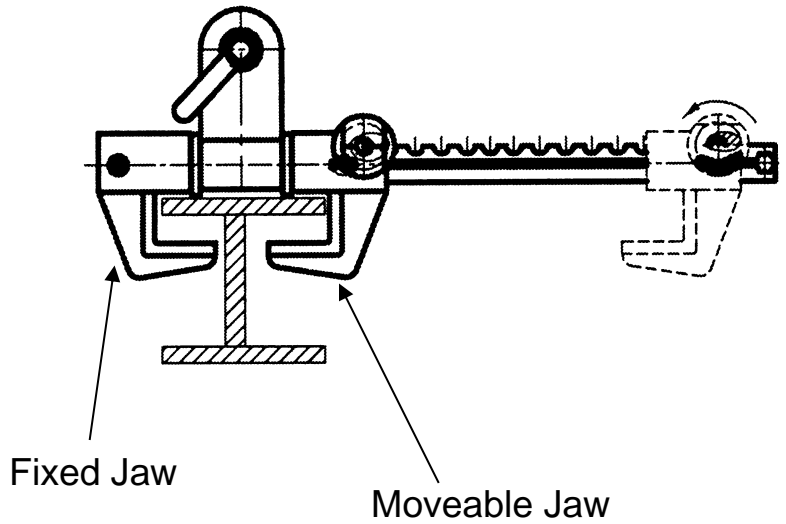
1. Before use, make sure that the beam anchor is compatible with the width of the I-beam flange.
2. Fit the fixed jaw to the flange of the I-beam so the jaw is touching the beam tightly. Be sure that the roller is on the surface of the I-beam.
3. Slide the mobile jaw until it is touching the beam tightly.
4. Insert the quick release pin into the hole nearest the beam flange. Make sure the locking pin balls appear on the other side of the bar.
5. Make sure that the beam anchor will not come off the beam.



# INSTALLATION ON I-BEAM (cont.)

## Models with automatic Lock

1. Before use, make sure that the beam anchor is compatible with the width of the I-beam flange.
2. Fit the fixed jaw to the flange of the I-beam so the jaw is touching the beam tightly. Be sure that the roller is on the surface of the I-beam.
3. Rotate the locking knob counter-clockwise and slide the moveable jaw until it is touching the beam tightly.
4. Release the locking knob.
5. Slide the moveable jaw beam until the knob springs back to the locked position. **DO NOT USE** if the knob does not spring back to the locked position.
6. Make sure that the beam anchor will not come off the beam.



## INSPECTION LOG



## NOTES

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