



INSTALLATION MANUAL

BEAM ANKR — I-BEAM MOUNTING BRACKET

PRODUCT	APPLICATION	MOUNTING TYPE	REVISION
SFIBA-81011*	I-Beam Flange Mount	Between-Flange Tension Mount	Rev. 01

1. PRODUCT APPLICATION

The BEAM ANKR is a between-flange, tension-mounted bracket designed to support loads on standard beams. It adjusts to fit between beam flanges from 8 to 12 inches. The mounting surface is pre-drilled and tapped for custom mounting and standard strut installation. Load rating of up to 162 lb, with allowable load varying according to the distance from the BEAM ANKR mounting surface to the load center of gravity. Review the load table and confirm the beam and complete installation are suitable for the intended application before use.

2. SAFETY & PRE-INSTALLATION REQUIREMENTS

- Read this manual, the product data sheet, applicable project requirements, and instructions for the supported equipment before installation.
- Installation must be performed by qualified personnel using appropriate site safety procedures and fall protection where required.
- Verify the beam is structurally suitable for the intended load and installation.
- Confirm the clear distance between the beam flanges is within the BEAM ANKR adjustment range of 8–12 inches.
- Inspect the bracket, clamping bolt, gripping surfaces, mounting face, and any supplied hardware. Do not use damaged, cracked, deformed, or incomplete components.
- Do not drill, weld, or bolt the BEAM ANKR to the beam. Do not modify the bracket or its hardware.
- Determine the load center of gravity relative to the BEAM ANKR mounting surface and use the load table in Section 6. Do not exceed the applicable listed load.

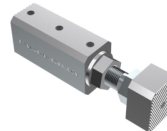
Secure the work area and control the supported equipment during installation. Keep personnel clear of pinch points and suspended or unsecured loads.

COMPONENT	DESCRIPTION
BEAM ANKR Bracket	Anodized 6061 aluminum; adjustable between beam flanges from 8 to 12 in.
Clamping Bolt	High-strength clamping bolt; tighten to the data-sheet specified 105 ft-lb.
Mounting Surface	Pre-drilled and tapped for custom mounting and standard strut installation.



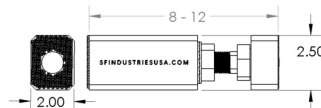
DESCRIPTION

The BEAM ANKR is a between flange tension mounted bracket for a wide range of loads up to 162 lbs on standard beams. Adjustable to fit between beam flanges from 8 to 12". The mounting surface is pre-drilled and tapped for custom mounting and standard strut installation.



P/N: SFIBA-81011

TECHNICAL DATA



162 lb Load Rating

Weight 3 lbs

700 lb Pull Out Force

Clamp Bolt Torque 105 ft lbs

LOAD DATA

Table of max load by distance from BEAM ANKR mounting surface to load center of gravity.

Distance (in)	2	4	6	8	10	12	14	16	18	20
Load (lbs)	162	100	72	57	47	40	34	30	27	25

FEATURES

- Anodized 6061 Aluminum
- Knurled Gripping Surfaces
- High Strength Clamping Bolt
- Fully Adjustable from 8-12"
- No Drilling, Welding or Bolting
- Simple Installation
- Temporary or Permanent Applications

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BEAM ANKR — INSTALLATION PROCEDURE

4. INSTALLATION PROCEDURE

1. **Verify application and load** — Confirm the supported equipment, total load, load center of gravity, and intended mounting orientation. Use the load table in Section 6 to identify the maximum allowable load at the applicable distance.
2. **Verify beam and flange spacing** — Confirm the beam is suitable for the application and that the clear distance between flanges is within 8–12 in. Do not install on a damaged, unsuitable, or unverified beam.
3. **Inspect the BEAM ANKR** — Check the bracket, knurled gripping surfaces, clamping bolt, and tapped mounting surface for damage, contamination, or defects. Do not install damaged components.
4. **Position the bracket** — Place the BEAM ANKR between the beam flanges at the selected location. Orient the mounting surface as required for the supported equipment and intended load direction.
5. **Adjust to fit** — Adjust the bracket to suit the flange spacing, ensuring the bracket is positioned squarely and the gripping surfaces engage the beam flanges as intended. Do not force or modify the assembly.
6. **Tighten the clamping bolt** — Tighten the high-strength clamping bolt to 105 ft-lb, as specified. Use a suitable calibrated torque wrench. Do not substitute a different torque value.
7. **Attach the supported equipment** — Mount the equipment or standard strut to the BEAM ANKR's pre-drilled and tapped mounting surface using fasteners appropriate to the equipment, thread, and application.
8. **Verify load and clearances** — Reconfirm the load center of gravity and ensure the applicable load-table limit is not exceeded. Check that equipment, fasteners, and adjacent structures do not interfere.

5. TORQUE REQUIREMENTS

CLAMP BOLT: 105 ft-lb (as stated in the BEAM ANKR product data sheet). Apply with a suitable calibrated torque wrench. The data sheet does not provide a separate torque value for fasteners used to attach supported equipment or strut to the pre-drilled and tapped mounting surface. Select and tighten those fasteners according to the fastener manufacturer's specifications, equipment requirements, and approved project documents.

6. LOAD LIMITS & APPLICATION NOTES

- 162 lb load rating and a 700 lb pull-out force. These are distinct values; do not treat pull-out force as the allowable working load.
- Maximum load depends on the distance from the BEAM ANKR mounting surface to the load center of gravity. Use the table below and do not interpolate or extrapolate beyond the listed values without written engineering approval.
- Range of 8–12 in. between beam flanges.
- The BEAM ANKR requires no drilling, welding, or bolting to the beam and is suitable for temporary or permanent applications.

BEAM ANKR — POST-INSTALLATION & TECHNICAL INFORMATION

7. POST-INSTALLATION CHECK

Correct BEAM ANKR model and application verified.

Beam is suitable for the application and flange spacing is within 8–12 in.

- Bracket is correctly positioned and gripping surfaces are properly engaged with the beam flanges.
- Clamping bolt is tightened to 105 ft-lb as specified in the product data sheet.
- Supported load and center-of-gravity distance are within the applicable load-table limit.
- Equipment/strut attachment fasteners are suitable and securely installed.
- No visible slippage, movement, deformation, damage, or interference is present.
- Installation has been inspected by the responsible qualified person.
- 8. MAINTENANCE & INSPECTION
- Inspect the BEAM ANKR and supported equipment periodically and after significant vibration, impact, adjustment, maintenance, or changes to the supported load. Check for movement or slippage, loose hardware, damaged threads, wear or contamination at the gripping surfaces, corrosion, cracking, deformation, and damage to the supporting beam. Verify the clamping bolt remains secure and the installation remains within the applicable load limits. Remove the assembly from service if damage, movement, or loss of secure engagement is observed until it has been evaluated by qualified personnel.

9. TECHNICAL REFERENCE



Use this manual together with the BEAM ANKR product data sheet, supported-equipment manufacturer's instructions, applicable beam/structural documentation, fastener specifications, project requirements, and governing codes. Where a value or installation detail is not provided here or in the product data sheet, obtain direction from the responsible engineer or manufacturer before proceeding.

10. PRODUCT DATA REFERENCE

MAXIMUM LOAD BY DISTANCE FROM BEAM ANKR MOUNTING SURFACE TO LOAD CENTER OF GRAVITY:

2 in: 162 lb | 4 in: 100 lb | 6 in: 72 lb | 8 in: 57 lb | 10 in: 47 lb | 12 in: 40 lb | 14 in: 34 lb | 16 in: 30 lb | 18 in: 27 lb | 20 in: 25 lb.

10. PRODUCT DATA REFERENCE

PARAMETER	DATA
Product	BEAM ANKR — I-beam mounting bracket
Part Number	SFIBA-81011* (data sheet also shows SFIBAM-81011; verify before ordering)
Material	Anodized 6061 aluminum
Adjustment Range	8–12 in. between beam flanges
Load Rating	162 lb
Pull-Out Force	700 lb
Clamp Bolt Torque	105 ft-lb
Product Weight	3 lb
Mounting	Pre-drilled and tapped; custom mounting / standard strut

MANUFACTURER: SF Industries USA | PRODUCT: SFIBA-81011

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